Town of Burrillville EMERGENCY OPERATIONS PLAN (EOP)

ANNEX F EVACUATION

Town of Burrillville Emergency Management Agency

Town of Burrillville EMERGENCY OPERATIONS PLAN

Evacuation Annex F

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EVACUATION

I. PURPOSE

Annex F, "EVACUATION" was developed to provide for an orderly and coordinated evacuation of the population in the Town of Burrillville should the need arise. There are several potential emergency or disaster situations that might require an evacuation of a hazard area or zone of risk in order to minimize vulnerability and protect residents of the community.

II. SITUATION AND ASSUMPTIONS

A. Situation

- 1. The Town of Burrillville has identified several hazards as posing a significant potential threat:
 - a. Hazards Identified are:
 - (1) Hurricane/Tropical Storm
 - (2) Urban Fire
 - (3) Dam Failure
 - (4) Transportation Accident
 - (5) Hazardous Materials Incident
 - (6) Winter Storm (severe)
 - b. The Federal Emergency Management Agency (FEMA) further states that <u>NO</u> jurisdiction can be considered safe from the effects of a Nuclear Attack on the United States.
- 2. The rapid increase in population density in and around the growing number of areas vulnerable to large-scale natural and technological hazards has made planning and implementing mass evacuations one of the most complex problems facing the emergency manager. Hurricanes, nuclear power plant accidents, hazardous materials accidents and other potentially large-scale regional hazards can trigger an emergency relocation of vulnerable residents at rates and volumes that will drastically overload roadway networks, public transportation, public shelters and host medical facilities.
- 3. There are many hazards that could cause situations that would require an evacuation to protect all, or part of, the population when the jurisdiction is confronted by a major emergency or a disaster. Small scale, localized evacuations might be required due to: flooding, hazardous materials accident (chemical spill), major fire, dam failure, or a major transportation accident. Mass evacuation could

be required in the event of an anticipated nuclear disaster or a hurricane threat that could produce river and stream flooding.

4. Evacuating hazardous areas is the most effective action for protecting people in many disaster or disaster-threat situations. Many evacuations are carried out every year, and it is not unusual to hear about large-scale evacuations involving thousands or even tens of thousands of people. Evacuation operations can be accomplished more rapidly and effectively if planning is carried out and systems are developed and tested before they are needed.

B. Assumptions

- 1. The public will receive timely and authoritative official information pertaining to the need to evacuate. This information will be distributed utilizing the Town of Burrillville webpage, social media pages, code red network and by any other means feasible at the time the order is given.
- 2. The public, by and large, will act in its own interest and evacuate hazardous areas when advised to do so by local government authorities.
- 3. If necessary, local authorities will order and control a mandatory evacuation. Law enforcement officials will provide security in evacuated areas.
- 4. The number of people initially affected is not a satisfactory criterion for deciding whether or not to activate the emergency management organization. The nature of the threat, the possibility of escalation, the need for expert consultation, etc., must also be considered.
- 5. People who refuse to follow the evacuation instructions of public officials will be left alone until all who are willing to leave have been evacuated. Then, time permitting, further efforts will be made to persuade the stay-puts to evacuate.
- 6. People evacuating to public shelters will not be allowed to take pets, except seeingeye dogs, into the shelter and will use some other consideration for their welfare.

III. CONCEPT OF OPERATIONS

A. General

Evacuation may prove to be the only practical means of protecting people from the effects of some disasters. Simply defined, evacuation is movement of people from a place of danger to a place of relative safety. Problems involved may range from minor to enormous depending on the dimensions, or characteristics, of the hazard and the evacuation.

There are several factors that must be considered when planning for evacuation. Among

these are the characteristics of the hazard itself. Hazard intensity, frequency, potential impact, and duration are significant elements to be considered. Other factors to consider include wind direction, temperature, humidity levels, time of day and status of precipitation. Evacuation decisions will be based on a careful review of all the factors obtained. At that time, officials can determine the number of people to be evacuated and the time and distance of travel necessary to ensure their safety. Another important facet is the availability of evacuation routes, their capacities, and their vulnerability to the hazard. The primary means of transportation during evacuation is the private automobile. Persons without private automobiles will be assisted, as necessary, by law enforcement and fire and rescue personnel to reach staging areas, reception centers, or shelters. This will additionally apply to persons whose automobiles have become disabled enroute and would require more than an immediate refueling or repair. Buses may be commandeered, if they are needed.

The Town of Burrillville's Emergency Management Agency will maintain several current lists of people who will require transportation and also those individuals with special medical needs who have registered with the RI Special Needs Emergency Registry (RISNER). Each list will identify whether this requirement is in the event of a natural, technological, or nuclear type emergency or disaster and will also identify those with medical needs that require power usage, refrigeration of medications etc.

If a nearby jurisdiction were to be affected by a major disaster, it is possible that the Town of Burrillville would be called upon to receive evacuees. In this situation, appropriate shelter for temporary lodging would be needed to accommodate the evacuees.

Jurisdictional interrelationships are a matter of great concern in an evacuation. Proper coordination among jurisdictions in an evacuation situation is critical to successful emergency operations and can be accomplished only through carefully planned and executed direction and control.

An Evacuation Planning Checklist to provide for an orderly and expeditious evacuation is included as Appendix 5 to this Annex.

B. Phases of Emergency Management

1. Mitigation

- a. Identify hazards requiring evacuation planning.
- b. Identify zones of risk (hazard zones) potentially in need of evacuation; i.e., flood plains, areas near hazardous materials, areas subject to hurricane damage, etc.
- c. Discourage development in hazard zones, particularly schools, medical facilities, or residential development.

2. Preparedness

- a. Identify population groups requiring special assistance during evacuation (i.e., senior citizens, handicapped, patients, school children, etc.).
- b. Plan evacuation routes taking traffic capacities and deteriorating road conditions into account.
- c. Educate the public about evacuation procedures, i.e., where residents should go and what routes they should take if a large-scale evacuation is required.

3. Response

- a. Disseminate evacuation information and instructions over radio and television using Emergency Alert System (EAS) as well as the other means mentioned previously (F-2 assumptions 1).
- b. Issue evacuation orders when necessary.
- c. Establish traffic and perimeter control.
- d. Evacuate the elderly, handicapped, and other special needs groups.
- e. Designate reception areas if needed.
- f. Provide police protection for evacuated areas and provide vehicle security and parking in the reception area.
- g. Transportation must be provided for emergency operations for essential workers who enter or commute to the hazardous areas.

4. Recovery

- a. Initiate return of the evacuees where possible.
- b. Impose traffic control during re-entry of evacuated areas. Police and restrict movement in damage zone.
- c. Inform the public about: places of contact for missing relatives, provision of continued emergency services, restricted areas, restoration of utilities, etc.
- d. Establish Disaster Application Center (DAC), if required, in conjunction with the Federal Emergency Management Agency. Establishing the area to be utilized is the responsibility of the state emergency management agency (RIEMA) in conjunction with Burrillville EMA (BEMA). The state will also provide personnel to assist with the application process.

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C. Direction and Control

1. General

Direction and Control of evacuation operations will normally be carried on by the jurisdiction nearest to the disaster site that has sufficient scope of control to manage all required operations.

The Town Manager of Burrillville who is also the Public Safety Director is the overall authority for the evacuation effort. All activities will be coordinated through the location serving as his direction and control center.

2. Hazardous Materials Evacuation (See Annex J - HAZMAT Title III SARA)

Wide varieties of hazardous materials are used by industries and are carried by trucks and trains. These materials may be poisonous, flammable, or explosive. An accident with these materials may make it necessary to protect the public by evacuation. The population most likely to be affected would be those people within the vicinity of industrial and commercial sites using hazardous materials, or those within close proximity of a major transportation route (highway, rail line, pipeline, port or river) along which hazardous materials move.

Evacuation planning is done for two types of hazardous material incidents. The first is for fixed site releases of materials from production or storage facilities. The second type involves spills or accidents during transportation.

The Town of Burrillville is once only moderately vulnerable to the major transportation incident due to rural nature of the town has become more susceptible to incidents due to the increase in truck traffic utilizing town roads especially Rte. 102. The increase in traffic is in part due to trucking companies seeking alternate routes away from Rte. 146 thus avoiding traffic and delays at weigh stations

Currently evacuation planning for transportation accidents is done at the local level. The Department of Transportation (DOT) and FEMA have published guidance on developing generalized hazardous material contingency plans for transportation. FEMA publications do not provide guidance regarding evacuation planning for this hazard.

The U.S. Department of Transportation "Emergency Response Guidebook" recommends initial actions to be taken by emergency services personnel when they are called upon to handle incidents involving hazardous materials. An initial action is to isolate the hazard area and deny entry. Police, fire or other emergency personnel should keep everyone, not directly involved with emergency response or rescue operation, away from the hazard area. Unprotected people should not be allowed into the hazard area. All police, fire, ems and other public safety vehicles are equipped with the latest version of the Emergency Response Guides.

Unnecessary personnel should be kept away from the hazard area. Evacuation may be a necessary protective action. The tables in Appendix 2, reproduced from the "Emergency Response Guidebook", give suggested evacuation distances for selected hazardous materials. Annex J - HAZMAT Title III SARA contains detailed information relative to the Planning District containing this jurisdiction.

The extent of the evacuation would depend on the kind of toxic item involved. Officials may find it necessary to keep people away from the accident scene and to control traffic on area roads. Because gases, fumes, or smoke from hazardous materials may be carried by the wind, it may also be necessary to protect people in the downwind direction. Evacuation of downwind areas may be necessary to protect people in emergency situations involving hazardous materials.

3. Localized Evacuation

Small-scale localized evacuations could occur due to major transportation accidents, flooding, or major fires. Urban fire, the most common disaster, often necessitates the evacuation not only of the particular building in which a fire occurs, but additionally dictates the evacuation of all buildings immediately adjacent to it. (See Appendix 3). All small-scale evacuations will be coordinated through Police or Fire personnel at the site of the incident exercising on-scene control. In the event of river flooding, some low-lying areas may have to be evacuated. Flood warning will be provided in accordance with the Alerting and Warning Annex. Law enforcement personnel will be responsible for providing on-site assistance to evacuees.

The National Weather Service, River Forecast Center, Hartford, Connecticut has the responsibility of maintaining a continuous watch for the detection and forecasting of flooding in the Northeastern United States. Furthermore, it has the responsibility of issuing prompt and accurate flood warnings and river statements for the protection of life and property.

4. Nuclear Evacuation

Rhode Island is within fifty miles of several out-of-state nuclear power plants. If an evacuation is ever necessary due to a disastrous radioactive release at these facilities, the Nuclear Power Plant Incident Response (Evacuation) Plan promulgated under separate cover will be used. In a massive nuclear attack on military installations in the United States, the Town of Burrillville would experience heavy radioactive fallout requiring sheltering of the population. If an anticipated heavy nuclear attack were to include both military and civilian targets, such as the urbanized areas of Rhode Island, the urban areas would have to be evacuated in accordance with prepared emergency instructions that are crisis activated. Evacuation under nuclear threat is a pre-attack mode of protective strategy. (See Appendix 4).

5. Flood Evacuation – (See Appendix 6)

D. Continuity of Government

Continuity of Government (COG) must be maintained in an emergency evacuation situation. Essentially COG will be maintained by relocating government operations, as necessary, to alternate EOC's or to mobile EOC's with temporary transfers of authority to higher or lower emergency management organizations.

- 1. Should evacuees be relocated outside the Town of Burrillville, the community will appoint one or more representatives to act as liaison between the Town of Burrillville and the "host" jurisdictions. The evacuees will be subject to the laws of the host community for the duration of their stay.
- 2. Evacuees from other jurisdictions "hosted" in the Town of Burrillville will be subject to the laws of the "host" jurisdiction.
- 3. Each department according to the standard operating procedures establishes lines of succession to department heads. Lines of succession to all key positions will be clearly established, and all essential records will be protected from destruction or loss.

IV. ORGANIZATION AND ASSIGNMENT OF RESPONSIBILITIES

A. Task Assignments

- 1. Town Manager
 - a. Issue evacuation (and re-entry) orders.
 - b. Direct assignment of community resources (personnel and materials).
- 2. Emergency Manager/Civil Defense Director
 - a. Advise the Town Manager of the potential hazards in the jurisdiction that could require evacuation.
 - b. Develop evacuation plans in conjunction with the local emergency personnel and the Rhode Island Emergency Management Agency (RIEMA).
 - c. Coordinate the evacuation effort under the direction of the Town Manager.
 - d. Inform and educate the public regarding probable hazards, designated shelters, and evacuation routes.

- e. Coordinate evacuation into safe neighborhoods within the Town or to other jurisdictions. Shelter in cooperation with the Red Cross.
- f. Establish a Disaster Application Center (DAC), if appropriate, in conjunction with the Federal Emergency Management Agency.
- 3. Burrillville Police
 - a. Assist in evacuating the hazard zone.
 - b. Coordinate law enforcement activities.
 - c. Provide security in evacuated areas. In severe disasters, the Rhode Island National Guard may assist in patrolling evacuated areas. In some circumstances, the Police Department may utilize neighborhood "Crime watch" organizations to patrol evacuated neighborhoods.
 - d. Maintain law and order.
 - e. Assist in public information.
 - f. Provide Law Enforcement in Reception Centers, Lodging and Feeding Facilities and Emergency Shelters.
 - g. Limit access to the Incident Scene and Evacuated areas during Response and Recovery Operations.
- 4. Fire
 - a. Assist in evacuating the zone of risk.
 - b. Handle fire suppression and toxic materials containment (See Annex G. Radiological Protection).
 - c. Assist in informing the public as to the nature of the hazard and the appropriate protective measures.
- 5. Public Works
 - a. Assist in evacuation.
 - b. Repair and maintain utilities and roads.
- 6. School Systems/Mass Transit
 - a. Provide transportation for those without private vehicles or for special groups.

b. If required, establish reception centers and mass shelter using school buildings.

V. ADMINISTRATION AND LOGISTICS

A. Annex H, Resource Management, provides detailed information on many topics related to Administration and Logistics.

B. The Town Manager of Burrillville will control administration and logistics.

C. Normal administrative practices and procedures will be continued under emergency conditions to the extent practicable.

D. During emergency operations, every effort will be made to document each transaction sufficiently so that complete records can be reconstructed and claims properly verified after the emergency has passed.

E. To the extent consistent with law, no administrative process will be permitted to interfere with operations essential to preventing injury, loss of life, and significant property damage.

- F. Legal Authority.
 - 1. Forced Evacuation

The authority for forced evacuation is found in the General Laws of Rhode Island, Title 30, Chapter 15.

2. Traffic and Perimeter Control

The authority for control of egress, ingress, and movement is also found in the 1973 General Laws, Title 30, Chapter 15.

VI. PLAN DEVELOPMENT AND MAINTENANCE

The primary responsibility for the development and maintenance of this annex belongs to the State Emergency Management Agency in conjunction with the local emergency manager (Civil Defense Director). Additional support will be provided by other local officials and emergency services personnel within the jurisdiction. Guidance will be provided by the Federal Emergency Management Agency.

VII. AUTHORITIES AND REFERENCES

A. Authority

- 1. Federal Civil Defense Act of 1950, as amended, particularly Title V-Improved Civil Defense Program, (Public Law 96-342; September 8, 1980).
- 2. General Laws of Rhode Island, Title 30, Chapter 15, Rhode Island Defense Civil Preparedness Act of 1973.

B. References

- 1. Guide for Development of State and Local Emergency Operations Plans, FEMA, CPG 1-8, Sept. 1990
- 2. Evacuation: An Assessment of Planning and Research, FEMA, RR-9, November 1987
- 3. Emergency Response Guidebook for Hazardous Materials Incidents, U.S. Department of Transportation, 1990
- 4. The State of Rhode Island "Radiological Emergency Response Plan for the Ingestion Exposure Pathway", RIEMA

VIII. DEFINITIONS

A. **Attack** - A hostile action taken against the United States by foreign forces resulting in destruction of military and/or civilian targets through the use of nuclear of conventional weapons. In an attack, strategic military bases and major population centers are at a greater risk than other areas of the United States.

B. **Hazard Identification and Vulnerability Assessment (HIVA)** - A periodic study conducted by questionnaire to determine the hazards that might affect a local community, based upon experience, vulnerability and risk.

C. **Community Resources -** Assets in the jurisdiction including personnel, equipment, facilities, and funds that can be applied to all aspects of emergency management.

D. **Dam Failure -** Downstream flooding due to the partial or complete collapse of an impoundment. Dam failure is associated with intense rainfall and prolonged flood conditions. However, dam breaks may also occur during dry periods as a result of progressive erosion of an embankment caused by seepage leaks. Dam failure may also be caused by earthquake. The greatest threat from dam breaks is to areas immediately downstream.

E. **Disaster -** A sudden calamitous event that presents a threat to a community or larger area, is capable of inflicting many casualties, and can cause great damage or destruction. A disaster requires resources (personnel, equipment, facilities, and funds) beyond those available locally.

F. **Emergency** - An event that demands a crisis response beyond the scope of any single line agency or local emergency service (e.g., beyond the scope of the municipal Police Department, Fire Department, etc.). An emergency is an event that presents a threat to the jurisdiction and calls for immediate action, yet can be handled with the resources available in the municipality.

G. **Emergency Management -** The responsibility and capability for managing all types of emergencies and disasters by coordinating the actions of numerous agencies in the federal-state-local partnership. Emergency Management includes all four phases of disaster or emergency activity: mitigation, preparedness, response, and recovery. Emergency Management applies to all risks: nuclear/natural disasters and technological hazards.

H. **Emergency Operations -** Actions taken in the event of natural disasters, technological accidents, or attack to reduce casualties and minimize property damage.

I. **Emergency Public Information** - Information which is disseminated primarily in anticipation of an emergency or at the actual time of an emergency and in addition to providing information as such, frequently directs action, instructs, and transmits direct orders.

J. **Evacuation -** An orderly movement of people to a safe area in response to an actual or potential hazard. As an emergency management function, evacuation is a protective action--moving people from a place of danger to a place of relative safety. As a phenomenon, it is a temporary mass movement of people that collectively emerges in coping with community threats, damages, or disruptions.

K. **Flood -** The HIVA flood hazard includes flash floods, riverain floods, and urban floods. Flash flooding and riverain floods are brief heavy flows on small streams or in normally dry washes. Riverain flooding is defined as the periodic occurrence of over-bank flows of rivers or streams resulting in partial or complete inundation of the adjacent floodplain. Such overbank flows are natural events and typically occur on a river once every two to three years. Riverain floods occur on river systems whose tributaries may drain large geographic areas and encompass many independent river basins. Floods on large river systems may continue for days. Urban flooding involves the overflow of storm sewer systems and is usually caused by inadequate drainage following heavy rain or rapid snowmelt. Flooding which occurs due to dam failure, storm surge, or tsunami is addressed under those hazards in the CHIP.

L. **Hazard -** A potentially dangerous event or circumstance that may cause an emergency or disaster.

M. **Hazardous Materials (HAZMAT)** - Chemicals or substances that are harmful to human health and the environment. These substances are used in industry, agriculture, medicine, research and consumer goods. They present a hazard when they are released into the environment (air, water, or ground).

N. **Hurricanes** - Severe tropical storms with high winds in a large spiral around a calm center known as the eye. Wind speeds range from 74 miles per hour to 220 miles per hour with even higher gusts. As hurricanes approach land, they create a "storm surge" along the coastline that raises water above high tide levels. Hurricanes produce heavy rains and cause river flooding as they travel inland. Hurricanes frequently result in tornadoes. The lifetimes of such storms vary between eight and twelve days. On the average, six Atlantic hurricanes

occur per year, two of which make landfall along the U.S. coast.

O. **Power Failure** - Any interruption or loss of electrical service due to disruption of power generation or transmission caused by accident, sabotage, natural hazards, equipment failure, or fuel shortage. Such interruptions typically last for periods of a few second to several days. The HICA defines a "significant" power failure as any incident that would require the involvement of the local emergency management organization to coordinate provision of food, water, heating, etc.

P. **Reception** - In providing shelter and lodging for large numbers of people, it is necessary to establish reception centers. At the reception centers evacuees are registered, assigned lodging, feeding arrangements are made, and efforts are made to consider the special needs of handicapped and elderly persons.

Q. **Response** - Those activities and programs designed to address the immediate and short-term effects of the onset of an emergency or disaster.

R. **Staging Area** - Any area or facility serving as a base for evacuation operations. In multi-hazard emergency planning, a staging area provides a base for coordinated emergency operations in time of crisis.

S. **Sustenance** - Depressions, cracks, and sinkholes in the earth's surface that can threaten people and property. Subsidence depressions, which normally occur over many days to a few years, may damage structures with low strain tolerances such as dams, factories, nuclear reactors, and utility lines. The sudden collapse of the ground surface to form sinkholes (many tens of yards wide and deep within the span of a few minutes to a few hours) poses an immediate threat to life and property. Such mass-gravity movements commonly continue for days, weeks, months, or even years until the walls stabilize. The population at risk would be in areas where industrial or residential development has occurred above active or abandoned mining areas where underground cavities are present near the surface. Also at risk would be populations along groundwater aquifers in areas where an extensive amount of groundwater has been withdrawn.

T. **Terrorism -** A violent criminal activity designed to intimidate or induce fear for political purposes.

U. **Transportation Accident** - An incident involving passenger air or rail travel resulting in death or serious injury. Highway incidents are excluded from consideration under this hazard since such incidents are generally handled by emergency response services without emergency management organization involvement. Vulnerable areas include the locations of all military and civilian airports with FAA control towers or with traffic flow heavy enough to pose a hazard. Passenger rail lines are another possible hazard area.

V. **Urban Fire** - Uncontrolled burning in residential, commercial, industrial, or other urban properties in developed areas.

W. **Winter Storm (severe)** - This includes ice storms, blizzards, and extreme cold. The National Weather Service characterizes blizzards as being combinations of winds in excess of 35 mph with considerable falling or blowing snow that frequently reduces visibility to 0.25 miles or less.

IX. LIST OF APPENDICES

- A. Appendix 1 Hurricane Evacuation
- **B.** Appendix 2 Hazardous Materials Evacuation
- C. Appendix 3 Urban Fire Evacuation
- D. Appendix 4 Movement To Shelter-Nuclear Incident
- E. Appendix 5 Evacuation Planning Checklist
- F. Appendix 6 Flood Evacuation
- **G.** Appendix 7 Evacuation routes

APPENDIX 2

EMERGENCY MANAGEMENT AGENCY EOP

HAZARDOUS MATERIALS EVACUATION

In the event of the need for a hazardous materials evacuation, remove all people from area and buildings as far as recommended in the evacuation distance tables on the following pages. This table was reproduced from the Emergency Response Guidebook for Hazardous Materials Incident, U.S. Department of Transportation 2016.

GOOD JUDGEMENT MUST BE USED IN EVACUATION PROCEDURES TO AVOID PLACING PEOPLE IN GREATER DANGER.

Topographic maps may be used to assist in the planning and execution of evacuations. Indexes of the topographic maps may be obtained free of charge on request from the Eastern Distribution Branch, U.S. Geological Survey, 1200 South Fads Street, Arlington, Virginia 22202. Maps needed to cover areas of responsibility may be purchased.

Preplanning and response team training is recommended.

Town of Burrillville Emergency Operations Plan Annex F, Appendix 2 HAZMAT Evacuation

EVACUATION TABLES FOR HAZARDOUS MATERIALS TOWN OF BURRILLVILLE

The following tables give suggested distances for ISOLATING or EVACUATING unprotected people from spill areas involving the hazardous materials shown, if the materials are not on fire. These suggestions are only for the <u>initial phase</u> of an accident involving volatile hazardous liquids or gases shipped in bulk or multiple-container loads. <u>Continuing reassessment of the situation will be necessary</u> because there may be a change in circumstances, such as a change in wind direction. Good judgment must be used in evacuation procedures to avoid placing Burrillville residents in a more dangerous situation than is necessary.

If a hazardous material cloud goes between several multi-story buildings or down a valley, the cloud may affect people much farther away than the distance specified in the tables and the evacuation distances should be increased for the downwind direction. It is important to note that the occupants of the upper floors of multi-story buildings in the evacuation sector may be safer remaining where they are if the heating and air-handling equipment in the buildings can be shut down so that the hazardous vapors or gases will not be circulated within. A short-term spill cloud may be deflected or reflected by a multi-story building and pass by without affecting the occupants or the equipment within the building.

For those materials listed in the tables, if a fire begins to burn the spilled material the health hazard may become less important and the evacuation distances may not have to be as great as they were with no fire involvement. It is important to notice that for some of these materials the potential fragmentation hazards from a tank car or truck involved in the fire may require isolation in all directions for at least one-half mile despite any shorter distance suggested in the tables. The guide page for the respective material clearly indicates if there is a one-half mile isolation requirement to handle the fragmentation hazard. Whatever number of feet or miles has been cleared, if one or more of the materials in the following tables is affecting unprotected Burrillville residents - INCREASE THE DISTANCES and reassess the situation.

Name of Material	Suide No.	ID No.	Name of Material	Suide No.	ID No
AC	117	1051	Acrylamide	153P	2074
Acetal	127	1088	Acrylamide, solid	153P	2074
Acetaldehyde	129P	1089	Acrylamide, solution	153P	3426
Acetaldehyde ammonia	171	1841	Acrylic acid, stabilized	132P	2218
Acetaldehyde oxime	129	2332	Acrylonitrile, stabilized	131P	1093
Acetic acid, glacial	132	2789	Adamsite	154	1698
Acetic acid, solution, more than 10% but not more than 80% acid	153	2790	Adhesives (flammable) Adiponitrile	128 153	1133
Acetic acid, solution, more than 80% acid	132	2789	Adsorbed gas, flammable, n.o.s.	174	3510
Acetic anhydride	137	1715	Adsorbed gas, n.o.s.	174	3511
Acetone	127	1090	Adsorbed gas, oxidizing,	174	3513
Acetone cyanohydrin, stabilized	155	1541	n.o.s. Adsorbed gas, poisonous,	173	3516
Acetone oils	127	1091	corrosive, n.o.s.	and the	
Acetonitrile	127	1648	Adsorbed gas, poisonous, corrosive, n.o.s. (Inhalation hazard zone A)	173	3516
Acetyl bromide	156	1716			
Acetyl chloride	155	1717	Adsorbed gas, poisonous,	173	3516
Acetylene, dissolved	116	1001	hazard zone B)		
Acetylene, Ethylene and Propylene in mixture, refrigerated liquid	115	3138	Adsorbed gas, poisonous, corrosive, n.o.s. (Inhalation hazard zone C)	173	3516
Ethylene with not more than 22.5% Acetylene and not more than 6% Propylene	n		Adsorbed gas, poisonous, corrosive, n.o.s. (Inhalation hazard zone D)	173	3516
Acetylene, solvent free	116	3374	Adsorbed gas, poisonous,	173	3517
Acetylene tetrabromide	159	2504	Adapted ass poissoon	47.5	2512
Acetyl iodide	156	1898	flammable, corrosive, n.o.s.	110	5517
Acetyl methyl carbinol	127	2621	(Inhalation hazard zone A)	1000	
Acid, sludge	153	1906	Adsorbed gas, poisonous, flammable, corrosive, n.o.s.	173	3517
Acid butyl phosphate	153	1718	(Inhalation hazard zone B)	11	
Acridine	153	2713	Adsorbed gas, poisonous,	173	3517
Acrolein, stabilized	131P	1092	(Inhalation hazard zone C)	8. s	
Acrolein dimer, stabilized	129P	2607			

Name of Material	Guide No.	ID No.	Name of Material G	No.	ID No.
Adsorbed gas, poisonous, flammable, corrosive, n.o.s (Inhalation hazard zone D)	173	3517	Adsorbed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation hazard zone D)	173	3518
Adsorbed gas, poisonous, flammable, n.o.s.	173	3514	Adsorbed gas, poisonous, oxidizing, n.o.s.	173	3515
Adsorbed gas, poisonous, flammable, n.o.s. (Inhalation hazard zone A)	173	3514	Adsorbed gas, poisonous, oxidizing, n.o.s. (Inhalation hazard zone A)	173	3515
Adsorbed gas, poisonous, flammable, n.o.s. (Inhalation hazard zone B)	173	3514	Adsorbed gas, poisonous, oxidizing, n.o.s. (Inhalation hazard zone B)	173	3515
Adsorbed gas, poisonous, flammable, n.o.s. (Inhalation hazard zone C)	173	3514	Adsorbed gas, poisonous, oxidizing, n.o.s. (Inhalation hazard zone C)	173	3515
Adsorbed gas, poisonous, flammable, n.o.s. (Inhalation hazard zone D)	173	3514	Adsorbed gas, poisonous, oxidizing, n.o.s. (Inhalation hazard zone D)	173	3515
Adsorbed gas, poisonous, n.o.s.	173	3512	Adsorbed gas, toxic, corrosive, n.o.s.	173	3516
Adsorbed gas, poisonous, n.o.s. (Inhalation hazard zone A)	173	3512	Adsorbed gas, toxic, corrosive, n.o.s. (Inhalation hazard zone A)	173	3516
Adsorbed gas, poisonous, n.o.s. (Inhalation hazard zone B)	173	3512	Adsorbed gas, toxic, corrosive, n.o.s. (Inhalation hazard zone B)	173	3516
Adsorbed gas, poisonous, n.o.s. (Inhalation hazard zone C)	173	3512	Adsorbed gas, toxic, corrosive, n.o.s. (Inhalation hazard zone C)	173	3516
Adsorbed gas, poisonous, n.o.s. (Inhalation hazard zone D)	173	3512	Adsorbed gas, toxic, corrosive, n.o.s. (Inhalation hazard zone D)	173	3516
Adsorbed gas, poisonous, oxidizing, corrosive, n.o.s.	173	3518	Adsorbed gas, toxic, flammable, corrosive, n.o.s.	173	3517
Adsorbed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation hazard zone A)	173	3518	Adsorbed gas, toxic, flammable, corrosive, n.o.s. (Inhalation hazard zone A)	173	3517
Adsorbed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation hazard zone B)	173	3518	Adsorbed gas, toxic, flammable, corrosive, n.o.s. (Inhalation hazard zone B)	173	3517
Adsorbed gas, poisonous, oxidizing, corrosive, n.o.s.	173	3518	Adsorbed gas, toxic, flammable, corrosive, n.o.s. (Inhalation hazard zone C)	173	3517

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	No
Adsorbed gas, toxic, flammable, corrosive, n.o. (Inhalation hazard zone D)	173 s.	3517	Adsorbed gas, toxic, oxidizing n.o.s. (Inhalation hazard zone A)	g, 173	3515
Adsorbed gas, toxic, flammable, n.o.s.	173	3514	Adsorbed gas, toxic, oxidizing n.o.s. (Inhalation hazard	9, 173	3515
Adsorbed gas, toxic, flammable, n.o.s. (Inhalation hazard zone A)	173	3514	Adsorbed gas, toxic, oxidizing n.o.s. (Inhalation hazard	9. 173	3515
Adsorbed gas, toxic, flammable, n.o.s (Inhalation hazard zone B)	173	3514	Adsorbed gas, toxic, oxidizing n.o.s. (Inhalation hazard	9, 173	3515
Adsorbed gas, toxic,	173	3514	Aerosols	126	1950
(Inhalation hazard zone C))		Air, compressed	122	1002
Adsorbed gas, toxic, flammable, n.o.s. (Inhalation hazard zone D)	173	3514	Air, refrigerated liquid (cryogenic liquid)	122	1003
Adsorbed gas, toxic, n.o.s.	173	3512	Air, refrigerated liquid (cryogenic liquid), non-	122	1003
Adsorbed gas, toxic, n.o.s. (Inhalation hazard zone A)	173	3512	pressurized Air bag inflators	171	3268
Adsorbed gas, toxic, n.o.s.	173	3512	Air bag modules	171	3268
Adsorbed gas, toxic, n.o.s. (Inhalation hazard zone C)	173	3512	Aircraft hydraulic power unit fuel tank	131	3165
Adsorbed gas, loxic, n.o.s. (Inhalation hazard zone D)	173	3512	Alcoholates solution, n.o.s., in alcohol	132	3274
Adsorbed gas, toxic, oxidizin	g, 173	3518	Alcoholic beverages	127	3065
corrosive, n.o.s.	0 173	3518	Alcohols, flammable, poisonous, n.o.s.	131	1986
corrosive, n.o.s. (Inhalatio hazard zone A)	in in	5510	Alcohols, flammable, toxic, n.o.s.	131	1986
Adsorbed gas, toxic, oxidizin	g, 173	3518	Alcohols, n.o.s.	127	1987
hazard zone B)	200 Million		Aldehydes, flammable,	131	1988
Adsorbed gas, toxic, oxidizin corrosive, n.o.s. (Inhalatio hazard zone C)	ig, 173	3518	Aldehydes, flammable, toxic, n.o.s.	131	1988
Adsorbed gas, toxic, oxidizin	g, 173	3518	Aldehydes, n.o.s.	129	1989
corrosive, n.o.s. (Inhalatio hazard zone D)	n		Aldol	153	2839
Adsorbed gas, toxic, oxidizin	g. 173	3515	Alkali metal alcoholates, self- heating, corrosive, n.o.s.	136	3206

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Town of Burrillville Emergency Operations Plan Annex F, Appendix 2 HAZMAT Evacuation

Name of Material	No.	No.	Name of Material (No.	No.
Alkali metal alloy, liquid, n.o.s	. 138	1421	Alkyl sulfonic acids, liquid,	153	2586
Alkali metal amalgam	138	1389	with not more than 5% free Sulfuric acid		
Alkali metal amalgam, liquid	138	1389	Alkyl sulfonic acids, solid, with	1 153	2583
Alkali metal amalgam, solid	138	3401	more than 5% free Sulfuric		
Alkali metal amides	139	1390	Alkyl sulfonic acids solid	153	2585
Alkali metal dispersion	138	1391	with not more than 5% free		2000
Alkali metal dispersion,	138	3482	Alkylsulfuric acids	156	2571
Alkaline earth metal alcoholates, n.o.s.	135	3205	Alkyl sulphonic acids, liquid, with more than 5% free Sulphyric acid	153	2584
Alkaline earth metal alloy, n.o.s.	138	1393	Alkyl sulphonic acids, liquid, with not more than 5% free	153	2586
Alkaline earth metal amalgam	138	1392	Sulphuric acid		
Alkaline earth metal amalgam liquid	, 138	1392	Alkyl sulphonic acids, solid, with more than 5% free	153	2583
Alkaline earth metal amalgam solid	, 138	3402	Sulphuric acid Alkyl sulphonic acids, solid,	153	2585
Alkaline earth metal dispersion	138	1391	with not more than 5% free Sulphuric acid		
Alkaline earth metal	138	3482	Alkylsulphuric acids	156	2571
dispersion, flammable			Allyl acetate	131	2333
Alkaloids, liquid, n.o.s.	151	3140	Allyl alcohol	131	1098
Alkaloids solid n.o.s	151	1544	Allylamine	131	2334
(poisonous)	101	1011	Allyl bromide	131	1099
Alkaloid salts, liquid, n.o.s.	151	3140	Allyl chloride	131	1100
(poisonous)	454	1511	Allyl chlorocarbonate	155	1722
(poisonous)	151	1544	Allyl chloroformate	155	1722
Alkylphenols, liquid, n.o.s.	153	3145	Allyl ethyl ether	131	2335
(including C2-C12			Allyl formate	131	2336
Alkylohenols solid n.o.e	153	2430	Allyl glycidyl ether	129	2219
(including C2-C12	100	2400	Allyl iodide	132	1723
Nkul culfonic solde liquid	152	2584	Allyl isothiocyanate, stabilized	155	1545
with more than 5% free	103	2004	Allyltrichlorosilane, stabilized	155	1724
Sulfuric acid			Aluminum, molten	169	9260
			Aluminum alkyl halides, liquid	135	3052

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No
Aluminum alkyl halides, solid	135	3052	2-Amino-4-chlorophenol	151	2673
Aluminum alkyl halides, solid	135	3461	2-Amino-5-	153	2946
Aluminum alkyl hydrides	138	3076	diethylaminopentane	1000000	100120
Aluminum alkyls	135	3051	2-Amino-4,6-dinitrophenol, wetted with not less than	113	3317
Aluminum borohydride	135	2870	20% water		
Aluminum borohydride in	135	2870	2-(2-Aminoethoxy)ethanol	154	3055
devices		100000000	N-Aminoethylpiperazine	153	2815
Aluminum bromide, anhydrou	s 137	1725	Aminophenols	152	2512
Aluminum bromide, solution	154	2580	Aminopyridines	153	2671
Aluminum carbide	138	1394	Ammonia, anhydrous	125	1005
Aluminum chloride, anhydrou	s 137	1726	Ammonia, solution, with more	154	2672
Aluminum chloride, solution	154	2581	35% Ammonia		
Aluminum dross	138	3170	Ammonia, solution, with more	125	2073
Aluminum ferrosilicon powder	139	1395	50% Ammonia		
Aluminum hydride	138	2463	Ammonia solution, with more	125	3318
Aluminum nitrate	140	1438	than 50% Ammonia	1.10146.20	and the second
Aluminum phosphide	139	1397	Ammonium arsenate	151	1546
Aluminum phosphide pesticid	e 157	3048	Ammonium bifluoride, solid	154	1727
Aluminum powder, coated	170	1309	Ammonium bifluoride, solutio	n 154	2817
Aluminum powder, pyrophoric	: 135	1383	Ammonium dichromate	141	1439
Aluminum powder, uncoated	138	1396	Ammonium dinitro-o-cresolat	e 141	1843
Aluminum remelting by- products	138	3170	Ammonium dinitro-o- cresolate, solid	141	1843
Aluminum resinate	133	2715	Ammonium dinitro-o-	141	3424
Aluminum silicon powder, uncoated	138	1398	Ammonium fluoride	154	2505
Aluminum smelling by-	138	3170	Ammonium fluorosilicate	151	2854
products Amines, flammable, corrosive	, 132	2733	Ammonium hydrogendifluoride, solid	154	1727
Amines, liquid, corrosive,	132	2734	Ammonium hydrogendifluoride, solutio	154 n	2817
Amines liquid corrosive	153	2735	Ammonium hydrogen sulfate	154	2506
n.o.s.	133	2100	Ammonium hydrogen sulphate	e 154	2506
Amines, solid, corrosive, n.o.s.	154	3259	Ammonium hydroxide	154	2672

lame of Material G	No.	No.	Name of Material	No.	No.
Ammonium hydroxide, with	154	2672	Ammonium silicofluoride	151	2854
more than 10% but not more than 35% Ammonia			Ammonium sulfide, solution	132	2683
Ammonium metavanadate	154	2859	Ammonium sulphide, solution	132	2683
Ammonium nitrate, liquid (hot concentrated solution)	140	2426	Ammunition, poisonous, non- explosive	151	2016
Ammonium nitrate, with not more than 0.2% combustible	140	1942	Ammunition, tear-producing, non-explosive	159	2017
substances Ammonium nitrate based	140	2067	Ammunition, toxic, non- explosive	151	2016
fertilizer			Amyl acetates	129	1104
Ammonium nitrate based	140	2071	Amyl acid phosphate	153	2819
mmonium nitrate emulsion	140	3375	Amylamine	132	1106
Ammonium nitrate fertilizer	140	2072	Amyl butyrates	130	2620
n.o.s.	140	LUIL	Amyl chloride	129	1107
Ammonium nitrate fertilizers,	140	2069	n-Amylene	128	1108
with Ammonium sulfate		0000	Amyl formates	129	1109
with Ammonium sulphate	140	2069	Amyl mercaptan	130	1111
Ammonium nitrate fertilizers,	140	2068	n-Amyl methyl ketone	127	1110
with Calcium carbonate			Amyl nitrate	140	1112
Ammonium nitrate fertilizers,	143	2070	Amyl nitrite	129	1113
Ammonium nitrato fuel oil	112	-	Amyltrichlorosilane	155	1728
mixtures	112		Anhydrous ammonia	125	1005
Ammonium nitrate gel	140	3375	Aniline	153	1547
Ammonium nitrate suspension	140	3375	Aniline hydrochloride	153	1548
Ammonium perchlorate	143	1442	Anisidines	153	2431
Ammonium persulfate	140	1444	Anisidines, liquid	153	2431
Ammonium persulphate	140	1444	Anisidines, solid	153	2431
Ammonium picrate, wetted	113	1310	Anisole	128	2222
with not less than 10% wate	ſ		Anisoyl chloride	156	1729
Ammonium polysulfide, solution	154	2818	Antimony compound, inorganic, liquid, n.o.s.	157	3141
Ammonium polysulphide, solution	154	2818	Antimony compound, inorganic, solid, n.o.s.	157	1549
Ammonium polyvanadate	151	2861	Antimony lactate	151	1550

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No
Antimony pentachloride, liqu	id 157	1730	Arsenic compound, liquid,	152	1556
Antimony pentachloride, solution	157	1731	n.o.s. Arsenic compound, liquid.	152	1556
Antimony pentafluoride	157	1732	n.o.s., inorganic		
Antimony potassium tartrate	151	1551	Arsenic compound, solid,	152	1557
Antimony powder	170	2871	n.o.s.	452	1557
Antimony trichloride	157	1733	n.o.s., inorganic	192	100/
Antimony trichloride, liquid	157	1733	Arsenic pentoxide	151	1559
Antimony trichloride, solid	157	1733	Arsenic trichloride	157	1560
Aqua regia	157	1798	Arsenic trioxide	151	1561
Argon	121	1006	Arsine	119	2188
Argon, compressed	121	1006	Arsine, adsorbed	173	3522
Argon, refrigerated liquid (cryogenic liquid)	120	1951	Articles containing Polychlorinated biphenyls	171	2315
Arsenic	152	1558	(PCB)		
Arsenic acid, liquid	154	1553	Articles, pressurized, hydraulic (containing non- flammable gas)	126	3164
Arsenic acid, solid	154	1554			
Arsenical dust	152	1562	Articles, pressurized,	126	3164
Arsenical pesticide, liquid, flammable, poisonous	131	2760	pneumatic (containing non- flammable gas)		
Arsenical pesticide, liquid, flammable, toxic	131	2760	Aryl sulfonic acids, liquid, wit more than 5% free Sulfuric	h 153	2584
Arsenical pesticide, liquid,	151	2994	acid	450	05.07
poisonous	424	2002	with not more than 5% free	153	2086
poisonous, flammable	131	2993	Sulfuric acid		
Arsenical pesticide, liquid, toxic	151	2994	Aryl sulfonic acids, solid, with more than 5% free Sulfuric	153	2583
Arsenical pesticide, liquid, toxic, flammable	131	2993	Aryl sulfonic acids, solid,	153	2585
Arsenical pesticide, solid, poisonous	151	2759	Sulfuric acid	1992	121210
Arsenical pesticide, solid, toxic	151	2759	Aryl sulphonic acids, liquid, with more than 5% free Sulphuric acid	153	2584
Arsenic bromide	151	1555	Sulphune actu		
Arsenic chloride	157	1560			

lame of Material C	No.	No.	Name of Material	No.	No.
Aryl sulphonic acids, liquid,	153	2586	Barium perchlorate	141	1447
with not more than 5% free Sulphyric acid			Barium perchlorate, solid	141	1447
Suphanic acide solid	153	2583	Barium perchlorate, solution	141	3406
with more than 5% free	155	2000	Barium permanganate	141	1448
Sulphuric acid			Barium peroxide	141	1449
Aryl sulphonic acids, solid, with not more than 5% free Sulphuric acid	153	2585	Batteries, containing Sodium	138	3292
Asbestos	171	2212	Potassium hydroxide solid	134	3020
Asbestos, amphibole	171	2212	Batteries, nickel-metal hydrid	e 171	3496
Asbestos, blue	171	2212	Batteries, wet, filled with acid	154	2794
Asbestos, brown	171	2212	Batteries, wet, filled with alka	i 154	2795
Asbestos, chrysotile	171	2590	Batteries, wet, non-spillable	154	2800
Asbestos, white	171	2590	Battery fluid, acid	157	2796
Asphalt	130	1999	Battery fluid, alkali	154	2797
Asphalt, cut back	130	1999	Battery-powered equipment	154	3171
Aviation regulated liquid, n.o.s.	171	3334	(wet battery) Battery-powered equipment	147	3171
Aviation regulated solid, n.o.s	. 171	3335	(with innum ion batteries)	120	9474
Azodicarbonamide	149	3242	(with lithium metal	130	01/1
Barium	138	1400	batteries)		
3arium alloys, pyrophoric	135	1854	Battery-powered equipment (with sodium batteries)	138	3171
Barium azide, wetted with not less than 50% water	113	1571	Battery-powered vehicle (wet	154	3171
Barium bromate	141	2719	Dettery	4.47	2474
Barium chlorate	141	1445	lithium ion batteries)	147	91/1
Barium chlorate, solid	141	1445	Battery-powered vehicle (with	138	3171
Barium chlorate, solution	141	3405	sodium batteries)		
Barium compound, n.o.s.	154	1564	Benzaldehyde	129	1990
Barium cyanide	157	1565	Benzene	130	1114
Barium hypochlorite, with more than 22% available	141	2741	Benzene phosphorus dichloride	137	2798
Barium nitrate	141	1446	Benzene phosphorus thiodichloride	137	2799
Barium oxide	157	1884	Benzenesulfonyl chloride	156	2225

	iuide No.	ID No.	Name of Material	No.	ID No
Benzenesulphonyl chloride	156	2225	Bipyridilium pesticide, liquid, toxic, flammable	131	3015
Benzialne Benzonitrile	153	2224	Bipyridilium pesticide, solid,	151	2781
Benzoquinone	153	2587	Bipvridilium pesticide, solid,	151	2781
Benzotrichloride	156	2226	toxic	5-076	
Benzotrifluoride	127	2338	Bisulfates, aqueous solution	154	2837
Benzoyl chloride	137	1736	Bisulfites, aqueous solution,	154	2693
Benzyl bromide	156	1737	n.o.s.	454	2027
Benzyl chloride	156	1738	Bisulphates, aqueous solution	454	2031
Benzyl chloroformate	137	1739	n.o.s.	, 194	2093
Benzyldimethylamine	132	2619	Blasting agent, n.o.s.	112	-
Benzylidene chloride	156	1886	Bleaching powder	140	2208
Benzyl iodide	156	2653	Blue asbestos	171	2212
Beryllium compound, n.o.s.	154	1566	Bombs, smoke, non-explosive	, 153	2028
Beryllium nitrate	141	2464	with corrosive liquid, without initiating device		
Beryllium powder	134	1567	Borate and Chlorate mixture	140	1458
Bhusa, wet, damp or contaminated with oil	133	1327	Borneol	133	1312
Bicyclo[2.2.1]hepta-2,5-diene,	128P	2251	Boron tribromide	157	2692
stabilized			Boron trichforide	125	1741
Biological agents	158		Boron trifluoride	125	1008
Biological substance,	158	3373	Boron trifluoride, adsorbed	173	3519
Category b	450	2201	Boron trifluoride, compressed	125	1008
Biojimedical waste, n.o.s.	130	0700	Boron trifluoride, dihydrate	157	2851
flammable, poisonous	131	2102	Boron trifluoride acetic acid complex	157	1742
Bipyridilium pesticide, llquid, flammable, toxic	131	2782	Boron trifluoride acetic acid complex, liquid	157	1742
Bipyridilium pesticide, liquid, poisonous	151	3016	Boron trifluoride acetic acid complex, solid	157	3419
Bipyridilium pesticide, liquid, poisonous, flammable	131	3015	Boron trifluoride diethyl etherate	132	2604
Bipyridilium pesticide, liquid, toxic	151	3016	Boron trifluoride dimethyl etherate	139	2965

Name of Material	Guide No.	ID No.	Name of Material G	No.	ID No.
Boron trifluoride propionic acid complex	157	1743	Bromomethylpropanes	130	2342
Boron trifluoride propionic	157	1743	2-Bromo-2-nitropropane-1,3-dio 2-Bromopentane	133	3241 2343
Boron trifluoride propionic acid complex, solid	157	3420	Bromopropanes	129 130	2344 2345
Bromates, inorganic, aqueous solution, n.o.s.	140	3213	Bromotrifluoroethylene	116	2419
Bromates, inorganic, n.o.s.	141	1450	Bromotrifluoromethane	126	1009
Bromine	154	1744	Brown asbestos	171	2212
Bromine, solution	154	1744	Brucine	152	1570
Bromine, solution (Inhalation	154	1744	Butadienes, stabilized	116P	1010
Hazard Zone A)	154	1744	Butadienes and hydrocarbon mixture, stabilized	116P	1010
Hazard Zone B)	1.54		Butane	115	1011
Bromine chloride	124	2901	Butane	115	1075
Bromine pentafluoride	144	1745	Butanedione	127	2346
Bromine trifluoride	144	1746	Butanols	129	1120
Bromoacetic acid	156	1938	Butyl acetates	129	1123
Bromoacetic acid, solid	156	3425	Butyl acid phosphate	153	1718
Bromoacetic acid, solution	156	1938	Butyl acrylates, stabilized	129P	2348
Bromoacetone	131	1569	n-Butylamine	132	1125
3romoacetyl bromide	156	2513	N-Butylaniline	153	2738
Bromobenzene	130	2514	Butylbenzenes	128	2709
Bromobenzyl cyanides, liquid	159	1694	n-Butyl bromide	130	1126
Bromobenzyl cyanides, solid	159	1694	n-Butyl chloride	130	1127
Bromobenzyl cyanides, solid	159	3449	n-Butyl chloroformate	155	2743
I-Bromobutane	130	1126	sec-Butyl chloroformate	155	2742
2-Bromobutane	130	2339	tert-Butylcyclohexyl	156	2747
Bromochloromethane	160	1887	chloroformate		1010
-Bromo-3-chloropropane	159	2688	Butylene	115	1012
-Bromoethyl ethyl ether	130	2340	Butylene	115	1075
Bromoform	159	2515	1,2-Butylene oxide, stabilized	127P	3022
I-Bromo-3-methylbutane	130	2341	Butyl ethers n-Butyl formate	128 129	1149 1128

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No
tert-Butyl hypochlorite	135	3255	Calcium, pyrophoric	135	1855
N,n-Butylimidazole	152	2690	Calcium alloys, pyrophoric	135	1855
n-Butyl isocyanate	155	2485	Calcium arsenate	151	1573
tert-Butyl isocyanate	155	2484	Calcium arsenate and Calcium	n 151	1574
Butyl mercaptan	130	2347	arsenite mixture, solid		4574
n-Butyl methacrylate, stabilized	130P	2227	arsenate mixture, solid	151	15/4
Butyl methyl ether	127	2350	Calcium carbide	138	1402
Butyl nitrites	129	2351	Calcium chlorate	140	1452
Butyl propionates	130	1914	Calcium chlorate, aqueous solution	140	2429
Butyltoluenes	152	2667	Calcium chlorite	140	1453
Butyltrichlorosilane	155	1747	Calcium cyanamide, with more	e 138	1403
5-tert-Butyl-2,4,6-trinitro-m- xylene	149	2956	than 0.1% Calcium carbide	157	1575
Butyl vinyl ether, stabilized	127P	2352	Calcium dithionite	135	1923
1,4-Butynediol	153	2716	Calcium hydride	138	1404
Butyraldehyde	129	1129	Calcium hydrosulfite	135	1923
Butyraldoxime	129	2840	Calcium hydrosulphite	135	1923
Butyric acid	153	2820	Calcium hypochlorite, dry	140	1748
Butyric anhydride	156	2739	Calcium hypochlorite, dry,	140	3485
Butyronitrile	131	2411	corrosive, with more than 39% available chlorine		
Butyryl chloride	132	2353	(8.8% available oxygen)		
Buzz	153	2810	Calcium hypochlorite,	140	3487
BZ	153	2810	not less than 5.5% but not		
CA	159	1694	more than 16% water		
Cacodylic acid	151	1572	Calcium hypochlorite, hydrated, with not less than	140	2880
Cadmium compound	154	2570	5.5% but not more than 16%	1	
Caesium	138	1407	Calcium hypochlorite	140	3487
Caesium hydroxide	157	2682	hydrated mixture, corrosive	1	a. 191
Caesium hydroxide, solution	154	2681	not more than 16% water		
Caesium nitrate	140	1451	Calcium hypochlorite,	140	2880
Calcium	138	1401	hydrated mixture, with not less than 5.5% but not more than 16% water	novere El	
				Pa	10

Name of Material G	No.	No.	Name of Material	No.	No.
Calcium hypochlorite mixture, dry, corrosive, with more	140	3486	Carbamate pesticide, liquid, poisonous, flammable	131	2991
than 10% but not more than 39% available chlorine			Carbamate pesticide, liquid, toxic	151	2992
Calcium hypochlorite mixture, dry, corrosive, with more than 39% available chlorine	140	3485	Carbamate pesticide, liquid, toxic, flammable	131	2991
(8.8% available oxygen) Calcium hypochlorite mixture.	140	2208	Carbamate pesticide, solid, poisonous	151	2757
dry, with more than 10% but not more than 39% available		2200	Carbamate pesticide, solid, toxic	151	2757
Chiorine	4.40	4740	Carbon, activated	133	1362
dry, with more than 39% available Chlorine (8.8%	140	1/40	Carbon, animal or vegetable origin	133	1361
available Oxygen)			Carbon bisulfide	131	1131
Calcium manganese silicon	138	2844	Carbon bisulphide	131	1131
Calcium nitrate	140	1454	Carbon dioxide	120	1013
Calcium oxide	157	1910	Carbon dioxide, compressed	120	1013
Calcium perchlorate	140	1455	Carbon dioxide, refrigerated	120	2187
Calcium permanganate	140	1456	liquid		
Calcium peroxide	140	1457	Carbon dioxide, solid	120	1845
Calcium phosphide	139	1360	Carbon dioxide and Ethylene	115	1041
Calcium resinate	133	1313	than 9% but not more than		
Calcium resinate, fused	133	1314	87% Ethylene oxide		
Calcium silicide	138	1405	oxide mixture, with more	119P	3300
Camphor	133	2717	than 87% Ethylene oxide	1210	
Camphor, synthetic	133	2717	Carbon dioxide and Ethylene	126	1952
Camphor oil	128	1130	more than 9% Ethylene		
Capacitor, asymmetric	171	3508	oxide		
Capacitor, electric double laye	r 171	3499	Carbon dioxide and Nitrous	126	1015
Caproic acid	153	2829	Carbon dioxide and Oxygen	122	1014
Carbamate pesticide, liquid, flammable, poisonous	131	2758	mixture, compressed	121	1121
Carbamate pesticide, liquid, flammable, toxic	131	2758	Carbon disulphide	131	1131
Carbamate pesticide, liquid, poisonous	151	2992	Carbon monoxide	119	1016

Name of Material	Guide No.	No.	Name of Material	No.	No
Carbon monoxide,	119	1016	Chemical kit	171	3316
compressed			Chemical sample, poisonous	151	331
Carbon monoxide, refrigerate liquid (cryogenic liquid)	ed 168	9202	Chemical sample, toxic	151	331
Carbon monoxide and Hydrogen mixture,	119	2600	Chemical under pressure, corrosive, n.o.s.	125	3503
Carbon tetrabromide	151	2516	flammable, corrosive, n.o.s	110	350
Carbon tetrachloride	151	1846	Chemical under pressure,	115	350
Carbonyl fluoride	125	2417	Chemical under pressure	119	350
Carbonyl fluoride, compress	ed 125	2417	flammable, poisonous,	115	000-
Carbonyl sulfide	119	2204	n.o.s.		0.50
Carbonyl sulphide	119	2204	flammable, toxic, n.o.s.	119	3504
Castor beans, meal, pomace or flake	171	2969	Chemical under pressure, n.o.s.	126	350
Caustic alkali liquid, n.o.s.	154	1719	Chemical under pressure,	123	350
Caustic potash, solid	154	1813	poisonous, n.o.s.		sem
Caustic potash, solution	154	1814	Chemical under pressure, toxic n.o.s.	c, 123	3502
Caustic soda, solid	154	1823	Chloral, anhydrous, stabilized	153	207
Caustic soda, solution	154	1824	Chlorate and Borate mixture	140	1458
Cells, containing Sodium	138	3292	Chlorate and Magnesium	140	1459
Celluloid, in blocks, rods, rolls, sheets, tubes, etc., except scrap	133	2000	chloride mixture Chlorate and Magnesium	140	1459
Celluloid, scrap	135	2002	Chlorate and Magnesium	140	240
Cerium, slabs, ingots or rods	170	1333	chloride mixture, solution	140	340
Cerium, turnings or gritty powder	138	3078	Chlorates, inorganic, aqueou solution, n.o.s.	s 140	3210
Cesium	138	1407	Chlorates, inorganic, n.o.s.	140	146
Cesium hydroxide	157	2682	Chloric acid, aqueous	140	2626
Cesium hydroxide, solution	154	2681	10% Chloric acid	1	
Cesium nitrate	140	1451	Chlorine	124	1017
CG	125	1076	Chlorine, adsorbed	173	3520
Charcoal	133	1361	Chlorine dioxide, hydrate,	143	9191
Chemical kit	154	1760	frozen		

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No.
Chlorine pentafluoride	124	2548	Chlorodinitrobenzenes, solid	153	1577
Chlorine trifluoride	124	1749	Chlorodinitrobenzenes, solid	153	3441
Chlorite solution	154	1908	1-Chloro-2,3-epoxypropane	131P	2023
Chlorites, inorganic, n.o.s.	143	1462	2-Chloroethanal	153	2232
Chloroacetaldehyde	153	2232	Chloroform	151	1888
Chloroacetic acid, molten	153	3250	Chloroformates, poisonous,	155	2742
Chloroacetic acid, solid	153	1751	corrosive, flammable, n.o.s		
Chloroacetic acid, solution	153	1750	Chloroformates, poisonous, corrosive, n.o.s.	154	3277
Chloroacetone, stabilized	131	1695	Chloroformates, toxic,	155	2742
Chloroacetonitrile	131	2668	corrosive, flammable, n.o.s		
Chloroacetophenone	153	1697	Chloroformates, toxic, corrosive, n.o.s.	154	3277
Chloroacetophenone, liquid	153	3416	Chloromethyl chloroformate	157	2745
Chloroacetophenone, solid	153	1697	Chloromethyl ethyl ether	131	2354
Chloroacetyl chloride	156	1752	3-Chloro-4-methylphenyl	156	2236
Chloroanilines, liquid	152	2019	isocyanate		
Chloroanilines, solid	152	2018	3-Chloro-4-methylphenyl	156	2236
Chloroanisidines	152	2233	2 Chlora A mathulahaaul	455	2420
Chlorobenzene	130	1134	isocyanate, solid	150	3420
Chlorobenzotrifluorides	130	2234	Chloronitroanilines	153	2237
Chlorobenzyl chlorides	153	2235	Chloronitrobenzenes	152	1578
Chlorobenzyl chlorides, liquid	153	2235	Chloronitrobenzenes, liquid	152	3409
Chlorobenzyl chlorides, solid	153	3427	Chloronitrobenzenes, solid	152	1578
Chlorobutanes	130	1127	Chloronitrotoluenes, liquid	152	2433
Chlorocresols	152	2669	Chloronitrotoluenes, solid	152	2433
Chlorocresols, solid	152	3437	Chloronitrotoluenes, solid	152	3457
Chlorocresols, solution	152	2669	Chloropentafluoroethane	126	1020
Chlorodifluorobromomethane	126	1974	Chloropentafluoroethane and	126	1973
1-Chloro-1,1-difluoroethane	115	2517	Chlorodifluoromethane		
Chlorodifluoromethane	126	1018	Chlorophenolates liquid	154	2904
Chlorodifluoromethane and	126	1973	Chlorophenolates solid	154	2905
mixture			Chlorophenols liquid	153	2021
Chlorodinitrobenzenes, liquid	153	1577	Chlorophenols, solid	153	2020

Town of Burrillville Emergency Operations Plan Annex F, Appendix 2 HAZMAT Evacuation

Name of Material	Suide No.	ID No.	Name of Material	Suide No.	ID No
Chlorophenyltrichlorosilane	156	1753	Chlorosulfonic acid (with	137	1754
Chloropicrin	154	1580	or without sulfur trioxide mixture)		
Chloropicrin and Methyl bromide mixture	123	1581	Chlorosulphonic acid (with or without sulphur trioxide	137	1754
Chloropicrin and Methyl chloride mixture	119	1582	mixture) 1-Chloro-1,2,2,2-	126	1021
Chloropicrin mixture, n.o.s.	154	1583	tetrafluoroethane		
Chloropivaloyl chloride	156	9263	Chlorotetrafluoroethane and	126	3297
Chloroplatinic acid, solid	154	2507	with not more than 8.8%		
Chloroprene, stabilized	131P	1991	Ethylene oxide		
1-Chloropropane	129	1278	Chlorotoluenes	129	2238
2-Chloropropane	129	2356	4-Chloro-o-toluidine hydrochloride	153	1579
3-Chloropropanol-1	153	2849	4-Chloro-o-toluidine	153	1579
2-Chloropropene	130P	2456	hydrochloride, solid		
2-Chloropropionic acid	153	2511	4-Chloro-o-toluidine	153	3410
2-Chloropropionic acid, solid	153	2511	Chlorotoluidinos	152	2220
2-Chloropropionic acid, solution	153	2511	Chlorotoluidines, liquid	153	3429
2-Chloropyridine	153	2822	Chlorotoluidines, solid	153	2239
Chlorosilanes, corrosive,	155	2986	1-Chloro-2,2,2-trifluoroethan	126	1983
Chlorosilanes, corrosive,	156	2987	Chlorotrifluoromethane and	126	2599
Chlorosilanes, flammable, corrosive, n.o.s.	155	2985	mixture with approximately 60% Chlorotrifluoromethan	e	
Chlorosilanes, poisonous,	155	3362	Chromic acid, solution	154	1755
corrosive, flammable, n.o.s			Chromic fluoride, solid	154	1756
Chlorosilanes, poisonous,	156	3361	Chromic fluoride, solution	154	1757
Chlorosilanes toxic	155	3362	Chromium nitrate	141	2720
corrosive, flammable, n.o.s			Chromium oxychloride	137	1758
Chlorosilanes, toxic,	156	3361	Chromium trioxide, anhydrous	141	1463
corrosive, n.o.s.		0000	Chromosulfuric acid	154	2240
flammable, corrosive, n.o.s	139	2988	Chromosulphuric acid	154	2240
			СК	125	1589

	No.	No.	No. No
Clinical waste, unspecified, n.o.s.	158	3291	Compressed gas, poisonous, 123 3304 corrosive, n.o.s. (Inhalation
CN	153	1697	
CN	153	3416	flammable, corrosive, n.o.s.
Coal gas	119	1023	Compressed gas, poisonous, 119 3305
Coal gas, compressed	119	1023	flammable, corrosive, n.o.s.
Coal tar distillates, flammable	128	1136	Comproseed ass poleonous 110 3305
Coating solution	127	1139	flammable, corrosive, n.o.s.
Cobalt naphthenates, powder	133	2001	(Inhalation Hazard Zone B)
Cobalt resinate, precipitated	133	1318	Compressed gas, poisonous, 119 3305 flammable corrosive n.o.s
Combustible liquid, n.o.s.	128	1993	(Inhalation Hazard Zone C)
Compounds, cleaning liquid (corrosive)	154	1760	Compressed gas, poisonous, 119 3305 flammable, corrosive, n.o.s. (Inhalation Hazard Zone D)
Compounds, cleaning liquid (flammable)	128	1993	Compressed gas, poisonous, 119 1953
Compounds, tree or weed killing, liquid (corrosive)	154	1760	Compressed gas, poisonous, 119 1953 flammable n.o.s
Compounds, tree or weed killing, liquid (flammable)	128	1993	(Inhalation Hazard Zone A)
Compounds, tree or weed killing, liquid (toxic)	153	2810	flammable, n.o.s. (Inhalation Hazard Zone B)
Compressed gas, flammable, n.o.s.	115	1954	Compressed gas, poisonous, 119 1953 flammable, n.o.s.
Compressed gas, n.o.s.	126	1956	(Inhalation Hazard Zone C)
Compressed gas, oxidizing, n.o.s.	122	3156	Compressed gas, poisonous, 119 1953 flammable, n.o.s. (Inhalation Hazard Zone D)
Compressed gas, poisonous, corrosive, n.o.s.	123	3304	Compressed gas, polsonous, 123 1955 n.o.s.
Compressed gas, polsonous, corrosive, n.o.s. (Inhalation Hazard Zone A)	123	3304	Compressed gas, poisonous, 123 1955 n.o.s. (Inhalation Hazard Zone A)
Compressed gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone B)	123	3304	Compressed gas, poisonous, 123 1955 n.o.s. (Inhalation Hazard Zone B)
Compressed gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone C)	123	3304	Compressed gas, poisonous, 123 1955 n.o.s. (Inhalation Hazard Zone C)

Name of Material	No.	No.	Name of Material	No.	No
Compressed gas, poisonous, n.o.s. (Inhalation Hazard Zone D)	123	1955	Compressed gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone D)	123	3304
Compressed gas, poisonous, oxidizing, corrosive, n.o.s.	124	3306	Compressed gas, toxic, flammable, corrosive, n.o.s	119	3308
Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone A)	124	3306	Compressed gas, toxic, flammable, corrosive, n.o.s (Inhalation Hazard Zone A)	119	3308
Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone B)	124	3306	Compressed gas, toxic, flammable, corrosive, n.o.s (Inhalation Hazard Zone B)	119	3305
Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone C)	124	3306	Compressed gas, toxic, flammable, corrosive, n.o.s (Inhalation Hazard Zone C)	119	3305
Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	124	3306	Compressed gas, toxic, flammable, corrosive, n.o.s (Inhalation Hazard Zone D)	119	3305
Compressed gas, poisonous, oxidizing, n.o.s.	124	3303	Compressed gas, toxic, flammable, n.o.s.	119	1953
Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone A)	124	3303	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone A)	119	1953
Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone B)	124	3303	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone B)	119	1953
Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone C)	124	3303	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone C)	119	1953
Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone D)	124	3303	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone D)	119	1953
Compressed gas, toxic,	123	3304	Compressed gas, toxic, n.o.s.	123	1955
Compressed gas, toxic,	123	3304	Compressed gas, toxic, n.o.s (Inhalation Hazard Zone A)	123	1955
Hazard Zone A)			Compressed gas, toxic, n.o.s. (Inhalation Hazard Zone B)	123	1955
Compressed gas, toxic, corrosive, n.o.s. (Inhalatio Hazard Zone B)	123 n	3304	Compressed gas, toxic, n.o.s. (Inhalation Hazard Zone C)	123	1955
Compressed gas, toxic, corrosive, n.o.s. (Inhalatio	123	3304	Compressed gas, toxic, n.o.s. (Inhalation Hazard Zone D)	123	1955
Hazard Zone C)			Compressed gas, toxic, oxidizing, corrosive, n.o.s.	124	3306

Name of Material	Suide No.	ID No.	Name of Material C	No.	ID No.
Compressed gas, toxic, oxidizing, corrosive, n.o.s.	124	3306	Copper based pesticide, liquid, toxic	151	3010
(Innalation Hazard Zone A) Compressed gas, toxic,	124	3306	Copper based pesticide, liquid, toxic, flammable	131	3009
oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone B)			Copper based pesticide, solid poisonous	151	2775
Compressed gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone C)	124	3306	Copper based pesticide, solid toxic	151	2775
Compressed gas, toxic,	124	3306	Copper chlorate	141	2721
oxidizing, corrosive, n.o.s.		CANADAGO.	Copper chloride	154	2802
Comproseed ass toxic	124	3303	Copper cyanide	151	1587
oxidizing, n.o.s.	144	5000	Copra	135	1363
Compressed gas, toxic, oxidizing, n.o.s. (Inhalation	124	3303	Corrosive liquid, acidic, inorganic, n.o.s.	154	3264
Hazard Zone A) Compressed gas, toxic,	124	3303	Corrosive liquid, acidic, organic, n.o.s.	153	3265
oxidizing, n.o.s. (Inhalation Hazard Zone B)			Corrosive liquid, basic, inorganic, n.o.s.	154	3266
Compressed gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone C)	124	3303	Corrosive liquid, basic, organic, n.o.s.	153	3267
Compressed gas, toxic, oxidizing, n.o.s. (Inhalation	124	3303	Corrosive liquid, flammable, n.o.s.	132	2920
Hazard Zone D)			Corrosive liquid, n.o.s.	154	1760
Compressed gas and hexaethyl tetraphosphate mixture	123	1612	Corrosive liquid, oxidizing, n.o.s.	140	3093
Consumer commodity	171	8000	Corrosive liquid, poisonous, n.o.s.	154	2922
Copper acetoarsenite	151	1585	Corrosive liquid, self-heating,	136	3301
Copper arsenite	151	1586	n.o.s.	454	2022
Copper based pesticide, liquid, flammable, poisonous	131	2776	Corrosive liquid, toxic, n.o.s. Corrosive liquid, water- reactive, n.o.s.	134	3094
Copper based pesticide, liquid, flammable, toxic	131	2776	Corrosive solid, acidic, inorganic, n.o.s.	154	3260
Copper based pesticide, liquid, poisonous	151	3010	Corrosive solid, acidic, organic, n.o.s.	154	3261
Copper based pesticide, liquid, poisonous, flammable	131	3009	Corrosive solid, basic, inorganic, n.o.s.	154	3262
Name of Material	No.	No.	Name of Material	No.	No
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Corrosive solid, basic,	154	3263	Cresylic acid	153	2022
organic, n.o.s.	1253	22207	Crotonaldehyde	131P	1143
Corrosive solid, flammable, n.o.s.	134	2921	Crotonaldehyde, stabilized	131P	1143
Corrosive solid, n.o.s.	154	1759	Crotonic acid	153	2823
Corrosive solid, oxidizing,	140	3084	Crotonic acid, liquid	153	2823
n.o.s.			Crotonic acid, liquid	153	3472
Corrosive solid, poisonous, n.o.s.	154	2923	Crotonic acid, solid	153	2823
Corrosive solid self-heating	136	3095	Crotonylene	128	1144
n.o.s.			CS	153	2810
Corrosive solid, toxic, n.o.s.	154	2923	Cumene	130	1918
Corrosive solid, water- reactive, n.o.s.	138	3096	Cupriethylenediamine, solution	154	1761
Cotton	133	1365	CX	154	2811
Cotton, wet	133	1365	Cyanide solution, n.o.s.	157	1935
Cotton waste, oily	133	1364	Cyanides, inorganic, solid,	157	1588
Coumarin derivative pesticide liquid, flammable,	, 131	3024	Cyanogen	119	1026
Coumarin derivative nesticide	131	3024	Cyanogen bromide	157	1889
liquid, flammable, toxic	, 191	5024	Cyanogen chloride, stabilized	125	1589
Coumarin derivative pesticide	, 151	3026	Cyanuric chloride	157	2670
Coumacia desivativo	424	30.25	Cyclobutane	115	2601
pesticide, liquid, poisonous	131	3025	Cyclobutyl chloroformate	155	2/44
flammable		25533	1,5,9-Cyclododecatriene	153	2518
Coumarin derivative pesticide liquid, toxic	, 151	3026	Cycloheptane	128	2241
Coumarin derivative nesticide	131	3025	Cycloheptatriene	131	2603
liquid, toxic, flammable	0.1007		Cycloheptene	128	2242
Coumarin derivative pesticide	, 151	3027	Cyclohexane	128	1145
solia, poisonous			Cyclohexanethiol	129	3054
Coumarin derivative pesticide solid, toxic	, 151	3027	Cyclohexanone	127	1915
Cresols, liquid	153	2076	Cyclohexene	130	2256
Cresols, solid	153	2076	Cyclohexenyltrichlorosilane	156	1762
Cresols, solid	153	3455	Cyclohexyl acetate	130	2243
5.555 (17.857) (17.977)		10.000	Cyclohexylamine	132	2357

Name of Material	Suide No.	ID No.	Name of Material	Guide No.	ID No.
Cyclohexyl isocyanate	155	2488	Di-n-amylamine	131	2841
Cyclohexyl mercaptan	129	3054	Dibenzyldichlorosilane	156	2434
Cyclohexyltrichlorosilane	156	1763	Diborane	119	1911
Cyclooctadiene phosphines	135	2940	Diborane, compressed	119	1911
Cyclooctadienes	130P	2520	Diborane mixtures	119	1911
Cyclooctatetraene	128P	2358	1,2-Dibromobutan-3-one	154	2648
Cyclopentane	128	1146	Dibromochloropropanes	159	2872
Cyclopentanol	129	2244	Dibromodifluoromethane	171	1941
Cyclopentanone	128	2245	Dibromomethane	160	2664
Cyclopentene	128	2246	Di-n-butylamine	132	2248
Cyclopropane	115	1027	Dibutylaminoethanol	153	2873
Cymenes	130	2046	Dibutyl ethers	128	1149
DA	151	1699	Dichloroacetic acid	153	1764
Dangerous goods in apparatus	171	3363	1,3-Dichloroacetone	153	2649
Dangerous goods in machinery	171	3363	Dichloroacetyl chloride	156	1765
DC	153	2810	Dichloroanilines, liquid	153	1590
Decaborane	134	1868	Dichloroanilines, solid	153	1590
Decahydronaphthalene	130	1147	Dichloroanilines, solid	153	3442
n-Decane	128	2247	o-Dichlorobenzene	152	1591
Denatured alcohol	127	1987	2,2'-Dichlorodiethyl ether	152	1916
Desensitized explosive, liquid,	128	3379	Dichlorodifluoromethane	126	1028
Desensitized explosive, solid, n.o.s.	133	3380	Dichlorodifluoromethane and Difluoroethane azeotropic mixture with	126	2602
Deuterium	115	1957	approximately 74% Dichlorodifluoromethane		
Deuterium, compressed	115	1957	Dichlorodifluoromethane and	126	3070
Devices, small, hydrocarbon gas powered, with release device	115	3150	Ethylene oxide mixture, with not more than 12.5% Ethylene oxide		
Diacetone alcohol	129	1148	Dichlorodimethyl ether,	131	2249
Diacetyl	127	2346	symmetrical	400	0000
Diallylamine	132	2359	1,1-Dichloroethane	130	2362
Diallyl ether	131P	2360	1,2-Dichloroethylene	1300	1150
4 4'-Diaminodiohenvlmethane	153	2651	Dichloroethyl ether	152	1916

Name of Material G	Suide No.	ID No.	Name of Material	Suide No.	ID No
Dichlorofluoromethane	126	1029	Diethyldichlorosilane	155	1767
Dichloroisocyanuric acid, dry	140	2465	Diethylenetriamine	154	2079
Dichloroisocyanuric acid salts	140	2465	Diethyl ether	127	1155
Dichloroisopropyl ether	153	2490	N,N-Diethylethylenediamine	132	2685
Dichloromethane	160	1593	Diethyl ketone	127	1156
1,1-Dichloro-1-nitroethane	153	2650	Diethyl sulfate	152	1594
Dichloropentanes	130	1152	Diethyl sulfide	129	2375
Dichlorophenyl isocyanates	156	2250	Diethyl sulphate	152	1594
Dichlorophenyltrichlorosilane	156	1766	Diethyl sulphide	129	2375
1,2-Dichloropropane	130	1279	Diethylthiophosphoryl chloride	155	275
1,3-Dichloropropanol-2	153	2750	Diethylzinc	135	1366
Dichloropropenes	129	2047	Difluorochloroethanes	115	2517
Dichlorosilane	119	2189	1,1-Difluoroethane	115	1030
1,2-Dichloro-1,1,2,2- tetrafluoroethane	126	1958	Difluoroethane and Dichlorodifluoromethane	126	2602
3,5-Dichloro-2,4,6- trifluoropyridine	151	9264	approximately 74% Dichlorodifluoromethane		
Dicyclohexylamine	153	2565	1,1-Difluoroethylene	116P	1959
Dicyclohexylammonium nitrite	133	2687	Difluoromethane	115	3252
Dicyclopentadiene	130	2048	Difluorophosphoric acid,	154	1768
1,2-Di-(dimethylamino)ethane	129	2372	anhydrous		
Didymium nitrate	140	1465	2,3-Dihydropyran	127	2376
Diesel fuel	128	1202	Diisobutylamine	132	236
Diesel fuel	128	1993	compounds	128	2050
Diethoxymethane	127	2373	Diisobutyl ketone	128	1157
3,3-Diethoxypropene	127	2374	Diisooctyl acid phosphate	153	1902
Diethylamine	132	1154	Diisopropylamine	132	1158
2-Diethylaminoethanol	132	2686	Diisopropyl ether	127	1159
3-Diethylaminopropylamine	132	2684	Diketene, stabilized	131P	2521
Diethylaminopropylamine	132	2684	1.1-Dimethoxyethane	127	2377
N.N-Diethylaniline	153	2432	1,2-Dimethoxyethane	127	2252
	420	2049			1000
Diethylbenzene	130	2040	Dimethylamine, anhydrous	118	1032

Name of Material	Suide No.	ID No.	Name of Material	Suide No.	ID No.
Dimethylamine, aqueous solution	132	1160	Dimethyl thiophosphoryl chloride	156	2267
Dimethylamine, solution	132	1160	Dimethylzinc	135	1370
2-Dimethylaminoacetonitrile	131	2378	Dinitroanilines	153	1596
2-Dimethylaminoethanol	132	2051	Dinitrobenzenes, liquid	152	1597
2-Dimethylaminoethyl acrylate	e 152	3302	Dinitrobenzenes, solid	152	1597
2-Dimethylaminoethyl methacrylate	153P	2522	Dinitrobenzenes, solid	152	3443
N.N-Dimethylaniline	153	2253	Dinitrochlorobenzenes	153	1577
2.3-Dimethvlbutane	128	2457	Dinitro-o-cresol	153	1598
1.3-Dimethylbutylamine	132	2379	Dinitrogen tetroxide	124	1067
Dimethylcarbamoyl chloride	156	2262	Dinitrogen tetroxide and Nitric oxide mixture	124	1975
Dimethyl carbonate	129	1161	Dinitrophenol, solution	153	1599
Dimethylcyclohexanes	128	2263	Dinitrophenol, wetted with not	113	1320
N,N-Dimethylcyclohexylamine	132	2264	less than 15% water		
Dimethylcyclohexylamine	132	2264	Dinitrophenolates, wetted with not less than 15% water	113	1321
Dimethyldichlorosilane	155	1162	Dinitroresorcinol, wetted with	113	1322
Dimethyldiethoxysilane	127	2380	not less than 15% water		
Dimethyldioxanes	127	2707	Dinitrotoluenes	152	2038
Dimethyl disulfide	130	2381	Dinitrotoluenes, liquid	152	2038
Dimethyl disulphide	130	2381	Dinitrotoluenes, molten	152	1600
Dimethyl ether	115	1033	Dinitrotoluenes, solid	152	2038
N,N-Dimethylformamide	129	2265	Dinitrotoluenes, solid	152	3454
1,1-Dimethylhydrazine	131	1163	Dioxane	127	1165
Dimethylhydrazine,	131	2382	Dioxolane	127	1166
symmetrical			Dipentene	128	2052
Dimethylhydrazine, unsymmetrical	131	1163	Diphenylamine chloroarsine	154	1698
2.2-Dimethylpropane	115	2044	Diphenylchloroarsine, liquid	151	1699
Dimethyl-N-propylamine	132	2266	Diphenylchloroarsine, solid	151	1699
Dimethyl sulfate	156	1595	Diphenylchloroarsine, solid	151	3450
Dimethyl sulfide	130	1164	Diphenyldichlorosilane	156	1769
Dimethyl sulphate	156	1595	Diphenylmethyl bromide	153	1770
Dimothyl cylobido	130	1164			

	No.	No.		No.	No
Dipicryl sulfide, wetted with not less than 10% water	113	2852	Dye intermediate, liquid, toxic n.o.s.	, 151	1602
Dipicryl sulphide, wetted with not less than 10% water	113	2852	Dye intermediate, solid, corrosive, n.o.s.	154	3147
Dipropylamine	132	2383	Dye intermediate, solid,	151	3143
Di-n-propyl ether	127	2384	poisonous, n.o.s.		
Dipropyl ketone	128	2710	Dye intermediate, solid, toxic, n.o.s.	151	3143
Disinfectant, liquid, corrosive n.o.s.	, 153	1903	ED	151	1892
Disinfectant, liquid, poisonous, n.o.s.	151	3142	Elevated temperature liquid, flammable, n.o.s., with flast point above 37.8°C (100°F),	128	3256
Disinfectant, liquid, toxic, n.o.s.	151	3142	at or above its flash point Elevated temperature liquid.	128	3256
Disinfectant, solid, poisonous n.o.s.	, 151	1601	flammable, n.o.s., with flash point above 60°C (140°F), at or above its flash point		
Disinfectant, solid, toxic, n.o.s.	151	1601	Elevated temperature liquid,	128	3257
Disodium trioxosilicate	154	3253	(212°F), and below its flash		
Dispersant gas, n.o.s.	126	1078	point		0.05/
Dispersant gases, n.o.s. (flammable)	115	1954	Lievated temperature solid, n.o.s., at or above 240°C (464°F)	1/1	3258
Divinyl ether, stabilized	128P	1167	Engine, fuel cell, flammable	115	3166
DM M	154	1698	gas powered		
Dodecyltrichlorosilane	156	1771	Engine, fuel cell, flammable	115	3529
OP	125	1076	Engine fuel cell flammable	128	3166
Dry ice	120	1845	liquid powered	120	3100
Dye, liquid, corrosive, n.o.s.	154	2801	Engine, fuel cell, flammable	128	3528
Oye, liquid, poisonous, n.o.s.	151	1602	liquid powered		
Dye, liquid, toxic, n.o.s.	151	1602	Engine, internal combustion	128	3166
Oye, solid, corrosive, n.o.s.	154	3147	Engine, internal combustion	171	3530
Dye, solid, poisonous, n.o.s.	151	3143	Engine, internal combustion	115	3529
Dye, solid, toxic, n.o.s.	151	3143	Engine internal combustion	128	3529
Dye intermediate, liquid, corrosive, n.o.s.	154	2801	flammable liquid powered	145	3466
Dye intermediate, liquid, poisonous, n.o.s.	151	1602	flammable gas powered	115	3100

Name of Material G	No.	ID No.	Name of Material G	uide No.	ID No
Engines, internal combustion, flammable liquid powered	128	3166	Ethylamine, aqueous solution, with not less than 50%	132	2270
Environmentally hazardous substance, liquid, n.o.s.	171	3082	but not more than 70% Ethylamine		
Environmentally hazardous	171	3077	Ethyl amyl ketone	128	2271
substance, solid, n.o.s.	424	0550	Z-Ethylaniline	153	2213
=pibromonyarin	131	2008	N-Ethylaniline	153	2211
Epichlorohydrin	131P	2023	Ethylbenzene	130	11/:
1,2-Epoxy-3-ethoxypropane	127	2752	N-Ethyl-N-benzylaniline	153	2274
Esters, n.o.s.	127	3272	N-Ethylbenzyltoluidines, liquid	153	2753
Ethane	115	1035	N-Ethylbenzyltoluidines, solid	153	2753
Ethane, compressed	115	1035	N-Ethylbenzyltoluidines, solid	153	3460
Ethane, refrigerated liquid	115	1961	Ethyl borate	129	1176
Ethane-Propane mixture, refrigerated liquid	115	1961	Ethyl bromide	131	1891
Ethanol	127	1170	2. Ethylbuterel	100	1003
Ethanol and gasoline mixture, with more than 10% ethanol	127	3475	2-Ethylbutyl acetate	129	1177
Thanol and motor spirit	127	3475	Ethylbutyl acetate	130	1177
mixture, with more than 10% ethanol			Ethyl butyl ether	127	1179
Ethanol and petrol mixture,	127	3475	2-Ethylbutyraldehyde	130	1178
with more than 10% ethanol			Ethyl butyrate	130	1180
Ethanol, solution	127	1170	Ethyl chloride	115	1037
Ethanolamine	153	2491	Ethyl chloroacetate	155	1181
Ethanolamine, solution	153	2491	Ethyl chloroformate	155	1182
Ethers, n.o.s.	127	3271	Ethyl 2-chloropropionate	129	2935
Ethyl acetate	129	1173	Ethyl chlorothioformate	155	2826
Ethylacetylene, stabilized	116P	2452	Ethyl crotonate	130	1862
Ethyl acrylate, stabilized	129P	1917	Ethyldichloroarsine	151	1892
Ethyl alcohol	127	1170	Ethyldichlorosilane	139	1183
Ethyl alcohol, solution	127	1170	Ethylene	116P	1962
thylamine	118	1036	na- characteristic data dat		

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	No.	No.	Name of Material C	No.	No
Ethylene, Acetylene and Propylene in mixture, refrigerated liquid containing at least 71.5%	115	3138	Ethylene oxide and Chlorotetrafluoroethane mixture, with not more than 8.8% Ethylene oxide	126	3297
22.5% Acetylene and not more than 6% Propylene	4460	1000	Ethylene oxide and Dichlorodifluoromethane mixture, with not more than	126	3070
Ethylene, compressed Ethylene, refrigerated liquid	116P	1962	Ethylene oxide and	126	3298
(cryogenic liquid)		1000	Pentafluoroethane mixture, with not more than 7.9%		
Ethylene chlorohydrin	131	1135	Ethylene oxide		
Ethylenediamine	132	1604	Ethylene oxide and Propylene	129P	2983
Ethylene dibromide	154	1605	than 30% Ethylene oxide	1	
Ethylene dibromide and Methy bromide mixture, liquid	1151	1647	Ethylene oxide and Tetrafluoroethane mixture	126	3299
Ethylene dichloride	131	1184	with not more than 5.6%		
Ethylene glycol diethyl ether	127	1153	Ethylene oxide		40.1
Ethylene glycol monoethyl ether	127	1171	Ethylene oxide with Nitrogen Ethyl ether	119P	115
Ethylene glycol monoethyl	129	1172	Ethyl fluoride	115	2453
ether acetate			Ethyl formate	129	1190
Ethylene glycol monomethyl ether	127	1188	Ethylhexaldehydes	129	119
Ethylene alycol monomethyl	129	1189	2-Ethylhexylamine	132	2276
ether acetate			2-Ethylhexyl chloroformate	156	2748
Ethyleneimine, stabilized	131P	1185	Ethyl isobutyrate	129	2385
Ethylene oxide	119P	1040	Ethyl isocyanate	155	2481
Ethylene oxide and Carbon	115	1041	Ethyl lactate	129	1192
than 9% but not more than			Ethyl mercaptan	129	2363
87% Ethylene oxide			Ethyl methacrylate	130P	2277
Ethylene oxide and Carbon	119P	3300	Ethyl methacrylate, stabilized	130P	2277
than 87% Ethylene oxide			Ethyl methyl ether	115	1039
Ethylene oxide and Carbon	126	1952	Ethyl methyl ketone	127	1193
dioxide mixtures, with not more than 9% Ethvlene			Ethyl nitrite, solution	131	1194
oxide			Ethyl orthoformate	129	2524
			Ethylayolata	450	26.26
			Elliyi oxalate	120	2020

Name of Material	No.	ID No.	Name of Material	No.	No.
Ethyl phosphonothioic dichloride, anhydrous	154	2927	Fertilizer, ammoniating solution, with free Ammonia	125	1043
Ethyl phosphonous dichloride anhydrous	135	2845	Fibers, animal or vegetable, burnt, wet or damp	133	1372
Ethyl phosphorodichloridate	154	2927	Fibers, animal or vegetable or	133	1373
1-Ethylpiperidine	132	2386	synthetic, n.o.s. with oil	100	0000
Ethyl propionate	129	1195	Fibers, vegetable, dry	133	3360
Ethyl propyl ether	127	2615	Fibers impregnated with weakly nitrated	133	1353
Ethyl silicate	129	1292	Nitrocellulóse, n.o.s.		
N-Ethyltoluidines	153	2754	Fibres, animal or vegetable,	133	1372
Ethyltrichlorosilane	155	1196	Eibros, animal or vegetable or	133	1373
Explosives, division 1.1, 1.2, 1.3 or 1.5	112		synthetic, n.o.s. with oil	133	1373
Explosives, division 1.4 or 1.6	114		Fibres, vegetable, dry	133	3360
Extracts, aromatic, liquid	127	1169	Fibres impregnated with weakly nitrated	133	1353
Extracts, flavoring, liquid	127	1197	Nitrocellulóse, n.o.s.		
Extracts, flavouring, liquid	127	1197	Films, nitrocellulose base	133	1324
Fabrics, animal or vegetable or synthetic, n.o.s. with oil	133	1373	Fire extinguisher charges, corrosive liquid	154	1774
Fabrics impregnated with weakly nitrated	133	1353	Fire extinguishers with compressed gas	126	1044
Nitrocendiose, n.o.s.	151	1606	liquefied gas	120	1044
Ferric arsenate	151	1607	Firelighters, solid, with	133	2623
Ferric al senite	151	1773	flammable liquid		
Ferric chloride, annyorous	15/	2592	First ald kit	171	3316
Ferric chloride, solution	1.40	1466	Fish meal, stabilized	171	2216
Ferric nitrate	140	1200	Fish meal, unstabilized	133	1374
errocerium	170	1323	Fish scrap, stabilized	171	2216
errosilicon	139	1408	Fish scrap, unstabilized	133	1374
errous arsenate	151	1008	Flammable liquid, corrosive,	132	2924
errous chloride, solid	154	1759	Elammable liquid in o e	128	1993
Ferrous chloride, solution	154	1/60	Flammable liquid poleocous	134	3286
Ferrous metal borings, shavings, turnings or cuttings	170	2793	corrosive, n.o.s.	131	3200

Name of Material	Suide No.	ID No.	Name of Material	Guide No.	No
Flammable liquid, poisonous,	131	1992	Fluorotoluenes	130	2388
n.o.s. Flammable liquid, toxic,	131	3286	Formaldehyde, solution (corrosive)	132	2209
corrosive, n.o.s.	121	1002	Formaldehyde, solution,	132	1198
Flammable riquid, toxic, il.o.s	134	3180	Formalia (corrosiva)	132	2200
inorganic, n.o.s.	134	5100	Formalin (Corrosive)	132	1198
Flammable solid, corrosive, organic, n.o.s.	134	2925	Formic acid	153	1779
Flammable solid, inorganic, n.o.s.	133	3178	Formic acid, with more than 85% acid	153	1779
Flammable solid, organic, molten, n.o.s.	133	3176	Formic acid, with not less tha 5% but less than 10% acid	n 153	3412
Flammable solid, organic, n.o.s;	133	1325	Formic acid, with not less that 10% but not more than 85% acid	n 153	3412
Flammable solid, oxidizing,	140	3097	Fuel, aviation, turbine engine	128	1863
Flammable solid, poisonous, inorganic, n.o.s.	134	3179	Fuel cell cartridges contained in equipment, containing corrosive substances	153	3477
Flammable solid, poisonous, organic, n.o.s.	134	2926	Fuel cell cartridges contained	128	3473
Flammable solid, toxic,	134	3179	flammable liquids		
Flammable solid, toxic, organic, n.o.s.	134	2926	Fuel cell cartridges contained in equipment, containing hydrogen in metal hydride	115	3479
Fluorine	124	1045	Fuel cell cartridges contained	115	3478
Fluorine, compressed	124	1045	in equipment, containing liquefied flammable gas		
Fluoroacetic acid	154	2642	Fuel cell cartridges contained	138	3476
Fluoroanilines	153	2941	in equipment, containing water-reactive substances		
Fluorobenzene	130	2387	Fuel cell cartridnes	153	3477
Fluoroboric acid	154	1775	containing corrosive	100	0411
Fluorophosphoric acid, anhydrous	154	1776	substances Fuel cell cartridges,	128	3473
Fluorosilicates, n.o.s.	151	2856	containing flammable liquids		
Fluorosilicic acid	154	1778	Fuel cell cartridges.	115	3479
Fluorosulfonic acid	137	1777	containing hydrogen in	1000	00000
Fluorosulphonic acid	137	1777	merarinyanae		

Name of Material	No.	No.	Name of Material	No.	No.
Fuel cell cartridges,	115	3478	Gas, refrigerated liquid, n.o.s	120	3158
flammable gas			Gas, refrigerated liquid, oxidizing, n.o.s.	122	3311
Fuel cell cartridges, containing water-reactive	138	3476	Gas cartridges	115	2037
substances			Gas identification set	123	9035
Fuel cell cartridges packed	153	3477	Gasohol	128	1203
corrosive substances			Gas oil	128	1202
Fuel cell cartridges packed	128	3473	Gasoline	128	1203
with equipment, containing flammable liquids			Gasoline and ethanol mixture, with more than 10% ethanol	127	3475
Fuel cell cartridges packed with equipment, containing hydrogen in metal hydride	115	3479	Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid	115	3167
Fuel cell cartridges packed with equipment, containing liquefied flammable gas	115	3478	Gas sample, non-pressurized, poisonous, flammable, n.o.s., not refrigerated	119	3168
Fuel cell cartridges packed with equipment, containing water-reactive substances	138	3476	liquid Gas sample, non-pressurized, poisonous, n.o.s., not	123	3169
Fueloil	128	1202	refrigerated liquid		
Fuel oil	128	1993	Gas sample, non-pressurized,	119	3168
Fumaryl chloride	156	1780	refrigerated liquid	R	
Fumigated cargo transport unit	t 171	3359	Gas sample, non-pressurized,	123	3169
Fumigated unit	171	3359	toxic, n.o.s., not refrigerated liquid		
Furaldehydes	132P	1199	GB	153	2810
Furan	128	2389	GD	153	2810
Furfural	132P	1199	Genetically modified micro-	171	3245
Furfuraldehydes	132P	1199	organisms		
Furfuryl alcohol	153	2874	Genetically modified	171	3245
Furfurylamine	132	2526	organisms		
Fusee (rail or highway)	133	1325	Germane	119	2192
Fusel oil	127	1201	Germane, adsorbed	173	3523
GA	153	2810	Gr	153	2810
Gallium	172	2803	Glycerol alpha- monochlorohvdrin	153	2689
Gas, refrigerated liquid, flammable, n.o.s.	115	3312	Glycidaldehyde	131P	2622

Name of Material G	No.	No.	Name of Material	No.	No
Guanidine nitrate	143	1467	Hexafluoroacetone	125	2420
H	153	2810	Hexafluoroacetone hydrate	151	2552
Hafnium powder, dry	135	2545	Hexafluoroacetone hydrate,	151	2552
Hafnium powder, wetted with not less than 25% water	170	1326	liquid Hexafluoroacetone hydrate,	151	3436
Halogenated monomethyldiphenylmethanes	171	3151	solid Hexafluoroethane	126	2193
liquid Halogenated	171	3152	Hexafluoroethane, compressed	126	2193
monomethyldiphenylmethanes solid		10.0252	Hexafluorophosphoric acid	154	1782
Hay, wet, damp or	133	1327	Hexafluoropropylene	126	1858
contaminated with oil			Hexafluoropropylene, compresse	d 126	1858
Hazardous waste, liquid,	171	3082	Hexaldehyde	130	1207
Hazardous wasta solid n.o.s.	171	3077	Hexamethylenediamine, solid	153	2280
HD	153	2810	Hexamethylenediamine,	153	1783
Heating oil, light	128	1202	Hexamethylene diisocyanate	156	2281
Helium	121	1046	Hexamethyleneimine	132	2493
Helium, compressed	121	1046	Hexamethylenetetramine	133	1328
Helium, refrigerated liquid (cryogenic liquid)	120	1963	Hexanes	128	1208
Heptafluoropropane	126	3296	Hexanoic acid	153	2829
n-Heptaldehyde	129	3056	Hexanols	129	2282
Heptanes	128	1206	1-Hexene	128	2370
n-Heptene	128	2278	Hexyltrichlorosilane	156	1/84
Hexachloroacetone	153	2661	HL	153	2810
Hexachlorobenzene	152	2729	HN-1	153	2810
Hexachlorobutadiene	151	2279	HN-2	153	2810
Hexachlorocyclopentadiene	151	2646	HN-3	153	2810
Hexachlorophene	151	2875	Hydrazine, anhydrous	132	2029
Hexadecyltrichlorosilane	156	1781	Hydrazine aqueous solution, flammable, with more than	132	3484
Hexadiene	130	2458	37% hydrazine, by mass		
Hexaethyl tetraphosphate	151	1611	Hydrazine, aqueous solution,	153	2030
Hexaethyl tetraphosphate and	123	1612	Hydrazine		

Name of Material	Suide No.	ID No.	Name of Material Guide No.	No.
Hydrazine, aqueous solution, with not less than 37%	153	2030	Hydrogen in a metal hydride 115 storage system	3468
but not more than 64% Hydrazine	450	2202	Hydrogen in a metal hydride 115 storage system contained in	3468
with not more than 37% Hydrazine	152	2522	Hydrogen in a metal hydride 115	3468
Hydrazine hydrate	153	2030	equipment	
Hydriodic acid	154	1787	Hydrogen, refrigerated liquid 115	1966
Hydrobromic acid	154	1788	(cryogenic liquid)	0000
Hydrocarbon and butadienes mixture, stabilized	116P	1010	Hydrogen and Carbon 119 monoxide mixture, compressed	2600
Hydrocarbon gas mixture, compressed, n.o.s.	115	1964	Hydrogen and Methane 115 mixture, compressed	2034
Hydrocarbon gas mixture, liguefied, n.o.s.	115	1965	Hydrogen bromide, anhydrous 125	1048
Hydrocarbon gas refills for	115	3150	Hydrogen chloride, anhydrous 125	1050
small devices, with release device			Hydrogen chloride, 125 refrigerated liquid	2186
Hydrocarbons, liquid, n.o.s.	128	3295	Hydrogen cyanide, anhydrous, 117	1051
Hydrochloric acid	157	1789	Stabilized	1613
Hydrocyanic acid, aqueous solution, with less than 5% Hydrogen cyanide	154	1613	solution, with not more than 20% Hydrogen cyanide	1013
Hydrocyanic acid, aqueous solution, with not more than	154	1613	Hydrogen cyanide, solution in 131 alcohol, with not more than 45% Hydrogen cyanide	3294
20% Hydrogen cyanide	447	1051	Hydrogen cyanide, stabilized 117	1051
solutions, with more than 20% Hydrogen cyanide		1031	Hydrogen cyanide, stabilized 152 (absorbed)	1614
Hydrofluoric acid	157	1790	Hydrogendifluorides, n.o.s. 154	1740
Hydrofluoric acid and Sulfuric acid mixture	157	1786	Hydrogendifluorides, solid, 154 n.o.s.	1740
Hydrofluoric acid and Sulphuric acid mixture	157	1786	Hydrogendifluorides, solution, 154 n.o.s.	3471
Hydrofluorosilicic acid	154	1778	Hydrogen fluoride, anhydrous 125	1052
Hydrogen	115	1049	Hydrogen iodide, anhydrous 125	2197
Hydrogen absorbed in metal hydride	115	9279		
Hydrogen, compressed	115	1049		

Name of Material	No.	ID No.	Name of Material	Guide No.	ID No
Hydrogen peroxide, aqueous	143	2015	Ink, printer's, flammable	129	1210
solution, stabilized, with more than 60% Hydrogen peroxide			Insecticide gas, flammable, n.o.s.	115	3354
Hydrogen peroxide, aqueous	140	2984	Insecticide gas, n.o.s.	126	1968
solution, with not less than 8% but less than 20% Hydrogen peroxide			Insecticide gas, poisonous, flammable, n.o.s.	119	3355
Hydrogen peroxide, aqueous solution, with not less than 20% but not more than	140	2014	Insecticide gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone A)	119	3355
60% Hydrogen peroxide (stabilized as necessary)			Insecticide gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone B	119	3355
Hydrogen peroxide, stabilized	143	2015	Insecticide eas poisenous	110	3355
Hydrogen peroxide and Peroxyacetic acid mixture, with acid(c) water and not	140	3149	flammable, n.o.s. (Inhalation Hazard Zone C)	5555
more than 5% Peroxyacetic acid, stabilized			Insecticide gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone D	119	3355
Hydrogen selenide, adsorbed	173	3526	Insecticide das poisonous	123	1967
Hydrogen selenide, anhydrous	117	2202	n.o.s.		
Hydrogen sulfide	117	1053	Insecticide gas, toxic,	119	3355
Hydrogen sulphide	117	1053	flammable, n.o.s.		
Hydroquinone	153	2662	flammable, n.o.s.	119	3355
Hydroquinone, solution	153	3435	(Inhalation Hazard Zone A)		-
1-Hydroxybenzotriazole, anhydrous, wetted with not less than 20% water	113	3474	Insecticide gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone B)	119	3355
1-Hydroxybenzotriazole, monohydrate	113	3474	Insecticide gas, toxic, flammable, n.o.s.	119	3355
Hydroxylamine sulfate	154	2865	(Innatation nazaro zone c	440	2266
Hydroxylamine sulphate	154	2865	flammable, n.o.s.	119	3399
Hypochlorite solution	154	1791	(Inhalation Hazard Zone D)		
Hypochlorites, inorganic, n.o.s.	140	3212	Insecticide gas, toxic, n.o.s. Iodine	123 154	1967 3495
3,3'-Iminodipropylamine	153	2269	lodine monochloride, liquid	157	3498
Infectious substance, affecting animals only	158	2900	lodine monochloride, solid	157	1792
Infectious substance,	158	2814	lodine pentafluoride	144	2495
affecting humans		-33538330111	2-lodobutane	129	2390
and the second	0.000	0		Pag	e 12

Name of Material	Guide No.	ID No.	Name of Material G	Juide No.	ID No.
lodomethylpropanes	129	2391	Isocyanate solution,	155	3080
lodopropanes	129	2392	poisonous, flammable, n.o.s.		
PDI	156	2290	Isocyanate solution,	155	2206
ron oxide, spent	135	1376	poisonous, n.o.s.		
ron pentacarbonyl	131	1994	Isocyanate solution, toxic,	155	3080
ron sponge, spent	135	1376	Isocyanate solution, toxic	155	2206
sobutane	115	1075	n.o.s.	100	2200
sobutane	115	1969	Isocyanates, flammable,	155	2478
sobutanol	129	1212	poisonous, n.o.s.		0470
sobutyl acetate	129	1213	n.o.s.	155	24/8
sobutyl acrylate, stabilized	129P	2527	Isocyanates, poisonous, flammable, n.o.s.	155	3080
sobutyl aldehyde	130	2045	Isocvanates, poisonous, n.o.s	155	2206
sobutylamine	132	1214	Isocyanates, toxic, flammable,	155	3080
sobutyl chloroformate	155	2742	n.o.s.		
sobutylene	115	1055	Isocyanates, toxic, n.o.s.	155	2206
sobutylene	115	1075	Isocyanatobenzotrifluorides	100	2285
sobutyl formate	129	2393	Isoheptenes	128	2287
sobutyl isobutyrate	130	2528	Isonexenes	128	2288
sobutyl isocyanate	155	2486	Isooctane	128	1262
sobutyl methacrylate, stabilized	130P	2283	Isopentane	128	1216
sobutyl propionate	129	2394	Isopentenes	128	2371
sobutyraldehvde	130	2045	Isophoronediamine	153	2289
sobutyric acid	132	2529	Isophorone diisocyanate	156	2290
sobutyronitrile	131	2284	Isoprene, stabilized	130P	1218
sobutyryl chloride	132	2395	Isopropanol	129	1219
socvanate solution.	155	2478	Isopropenyl acetate	129P	2403
flammable, poisonous, n.o.s.			Isopropenylbenzene	128	2303
socyanate solution.	155	2478	isopropyi acetate	129	1220
flammable, toxic, n.o.s.			Isopropyl acid phosphate	153	1/93
			Isopropyl alcohol	129	1219
			Isopropylamine	132	1221

Name of Material	Guide No.	ID No.	Name of Material	Suide No.	ID No
Isopropylbenzene	130	1918	Lead sulphate, with more than	154	1794
Isopropyl butyrate	129	2405	Lowicito	153	2810
Isopropyl chloroacetate	155	2947	Lewisne	174	2010
Isopropyl chloroformate	155	2407	self-inflating	171	3072
Isopropyl 2-chloropropionate	129	2934	Life-saving appliances, self-	171	2990
Isopropyl isobutyrate	127	2406	inflating		
Isopropyl isocyanate	155	2483	Lighter refills (cigarettes)	115	1057
Isopropyl nitrate	130	1222	Lighters (cigarettes)	115	1057
Isopropyl propionate	129	2409	(flammable gas)		1001
Isosorbide dinitrate mixture	133	2907	Lighters, non-pressurized,	128	1057
Isosorbide-5-mononitrate	133	3251	containing flammable liquid		24.04
Kerosene	128	1223	Liquetied gas, flammable, n.o.s.	115	3101
Ketones, liquid, n.o.s.	127	1224	Liquefied gas, n.o.s.	126	3163
Krill meal	133	3497	Liquefied gas, oxidizing, n.o.s	. 122	3157
Krypton	121	1056	Liquefied gas, poisonous,	123	3308
Krypton, compressed	121	1056	corrosive, n.o.s.		
Krypton, refrigerated liquid (cryogenic liquid)	120	1970	Liquefied gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone A)	123	3308
L (Lewisite)	153	2810	Liquefied cas, poisonous	123	3308
Lead acetate	151	1616	corrosive, n.o.s. (Inhalation	1	
Lead arsenates	151	1617	Hazard Zone B)	400	2200
Lead arsenites	151	1618	corrosive, n.o.s. (Inhalation	123	3308
Lead compound, soluble, n.o.s.	151	2291	Hazard Zone C) Liquefied gas, poisonous,	123	3308
Lead cyanide	151	1620	corrosive, n.o.s. (Inhalation		
Lead dioxide	141	1872	Liquofied ass poisonous	110	3300
Lead nitrate	141	1469	flammable, corrosive, n.o.s		0000
Lead perchlorate	141	1470	Liquefied gas, poisonous,	119	3309
Lead perchlorate, solid	141	1470	flammable, corrosive, n.o.s (Inhalation Hazard Zone A)		
Lead perchlorate, solution	141	3408	Liquefied gas, poisonous	119	3309
Lead phosphite, dibasic	133	2989	flammable, corrosive, n.o.s		
Lead sulfate, with more than 3% free acid	154	1794	(Inhalation Hazard Zone B)		

Name of Material G	uide No.	ID No.	Name of Material G	Ho.	ID No.
Liquefied gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone C)	119	3309	Liquefied gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone C)	124	3310
Liquefied gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone D)	119	3309	Liquefied gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	124	3310
Liquefied gas, poisonous, flammable, n.o.s.	119	3160	Liquefied gas, poisonous, oxidizing, n.o.s.	124	3307
Liquefied gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone A)	119	3160	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone A)	124	3307
Liquefied gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone B)	119	3160	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone B)	124	3307
Liquefied gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone C)	119	3160	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone C)	124	3307
Liquefied gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone D)	119	3160	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone D)	124	3307
Liquefied gas, poisonous, n.o.s.	123	3162	Liquefied gas, toxic, corrosive, n.o.s.	123	3308
Liquefied gas, poisonous, n.o.s. (Inhalation Hazard Zone A)	123	3162	Liquefied gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone A)	123	3308
Liquefied gas, poisonous, n.o.s. (inhalation Hazard Zone B)	123	3162	Liquefied gas, loxic, corrosive, n.o.s. (Inhalation Hazard Zone B)	123	3308
Liquefied gas, poisonous, n.o.s. (Inhalation Hazard Zone C)	123	3162	Liquefied gas, loxic, corrosive, n.o.s. (Inhalation Hazard Zone C)	123	3308
Liquefied gas, poisonous, n.o.s. (Inhalation Hazard Zone D)	123	3162	Liquefied gas, loxic, corrosive, n.o.s. (Inhalation Hazard Zone D)	123	3308
Liquefied gas, poisonous, oxidizing, corrosive, n.o.s.	124	3310	Liquefied gas, toxic, flammable, corrosive, n.o.s.	119	3309
Liquefied gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone A)	124	3310	Liquefied gas, toxic, flammable, corrosive, n.o.s, (Inhalation Hazard Zone A)	119	3309
Liquefied gas, poisonous, oxidizing, corrosive, n.o.s. (Inbalation Hazard Zone B)	124	3310	Liquefied gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone B)	119	3309

	No.	ID No.	Name of Material G	ide No.	ID No
Liquefied gas, toxic, flammable, corrosive, n.o. (Inhalation Hazard Zone C	119 .s. :)	3309	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	124	331
Liquefied gas, toxic, flammable, corrosive, n.o.	119 S.	3309	Liquefied gas, toxic, oxidizing, n.o.s.	124	330
Liquefied gas, toxic, fiammable, n.o.s.	119	3160	Liquefied gas, toxic, oxidizing, n.o.s. (inhalation Hazard Zone A)	124	330
Liquefied gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone A	119	3160	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone B)	124	330
Liquefied gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone E	119 I)	3160	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone C)	124	330
Liquefied gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone C	119 C)	3160	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone D)	124	330
Liquefied gas, loxic, flammable, n.o.s. (Inhalation Hazard Zone D	119))	3160	Liquefied gases, non- flammable, charged with Nitrogen, Carbon dioxide	120	105
Liquefied gas, toxic, n.o.s.	123	3162	Liouafied estural and	115	107
Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone A	123	3162	(cryogenic liquid)	115	197.
Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone B	123	3162	Liquefied petroleum gas Lithium	115 138	107
Liquefied gas loxic n.o.s.	123	3162	Lithium alkyls	135	244
(Inhalation Hazard Zone C	2)		Lithium alkyls, liquid	135	244
Liquefied gas, toxic, n.o.s.	123	3162	Lithium alkyls, solid	135	3433
Liquelied ass. toxic, avidizin	124	3310	Lithium aluminum hydride	138	141
corrosive, n.o.s.	424	2240	Lithium aluminum hydride, ethereal	138	141
corrosive, n o.s. (Inhalatio	on	5510	Lithium batteries	138	3090
Liquefied gas, toxic, oxidizin	ng, 124	3310	Lithium batteries contained in equipment	138	309
Hazard Zone B)	511		Lithium batteries packed with equipment	138	309
Liquefied gas, toxic, oxidizin corrosive, p.o.s. (Inhalati	ng, 124	3310	Lithium borohydride	138	1413
Hazard Zone C)			Lithium ferrosilicon	139	283
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Name of Material G	No.	ID No.	Name of Material	Guide No.	ID No.
Lithium hydride, fused solid	138	2805	Machinery, fuel cell, flammable liquid powered	128	3528
Lithium hydroxide Lithium hydroxide, monohydrate	154 154	2680 2680	Machinery, internal combustion	171	3530
Lithium hydroxide, solution	154	2679	Machinery, internal combustion, flammable gas powered	115 5	3529
Lithium hypochlorite mixture	140	1471	Machinery, internal combustion, flammable	128	3528
Lithium hypochlorite mixtures, dry	140	1471	liquid powered Magnesium	138	1869
Lithium ion batteries (Including lithium ion polymer batteries)	147	3480	Magnesium, in pellets, turnings or ribbons	138	1869
Lithium ion batteries	147	3481	Magnesium alkyls	135	3053
contained in equipment (including lithium ion polymer batteries)			Magnesium alloys, with more than 50% Magnesium, in pellets, turnings or ribbons	138	1869
Lithium ion batteries packed	147	3481	Magnesium alloys powder	138	1418
lithium ion polymer batteries)			Magnesium aluminum phosphide	139	1419
ithium metal batteries	138	3090	Magnesium arsenate	151	1622
(including lithium alloy batteries)			Magnesium bromate	140	1473
_ithium metal batteries	138	3091	Magnesium chlorate	140	2723
contained in equipment (including lithium alloy batteries)			Magnesium chloride and Chlorate mixture	140	1459
Lithium metal batteries packed with equipment (including	i 138	3091	Magnesium chloride and Chlorate mixture, solid	140	1459
lithium alloy batteries)	140	2722	Magnesium chloride and Chlorate mixture, solution	140	3407
ithium nitride	138	2806	Magnesium diamide	135	2004
ithium peroxide	143	1472	Magnesium diphenyl	135	2005
ithium silicon	138	1417	Magnesium fluorosilicate	151	2853
NG (cryogenic liquid)	115	1972	Magnesium granules, coated	138	2950
ondon numle	151	1621	Magnesium hydride	138	2010
	115	1075	Magnesium nitrate	140	1474
And Machinery fuel cell	115	3520	Magnesium perchlorate	140	1475
flammable gas powered	115	3323	Magnesium peroxide	140	1476

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No
Magnesium phosphide	139	2011	Mercaptan mixture, liquid,	131	1228
Magnesium powder	138	1418	flammable, poisonous,		
Magnesium silicide	138	2624	Mercaptan mixture liquid	131	1228
Magnesium silicofluoride	151	2853	flammable, toxic, n.o.s.		TEEU
Magnetized material	171	2807	Mercaptan mixture, liquid,	131	3071
Maleic anhydride	156	2215	n.o.s.		
Maleic anhydride, molten	156	2215	Mercaptan mixture, liquid,	131	3071
Malononitrile	153	2647	toxic, flammable, n.o.s.		
Maneb	135	2210	Mercaptans, liquid, flammable n.o.s	130	3336
Maneb, stabilized	135	2968	Mercaptans, liquid	131	1228
Maneb preparation, stabilized	135	2968	flammable, poisonous,		
Maneb preparation, with not less than 60% Maneb	135	2210	n.o.s. Mercaptans, liquid,	131	1228
Manganese nitrate	140	2724	Maragatana Jiguid agiagaga	424	2074
Manganese resinate	133	1330	flammable, n.o.s.	, 131	3071
Matches, fusee	133	2254	Mercaptans, liquid, toxic,	131	3071
Matches, safety	133	1944	flammable, n.o.s.		
Matches, "strike anywhere"	133	1331	Mercuric arsenate	151	1623
Matches, wax "vesta"	133	1945	Mercuric bromide	154	1634
MD	152	1556	Mercuric chloride	154	1624
Medical waste, n.o.s.	158	3291	Mercuric cyanide	154	1636
Medicine, liquid, flammable,	131	3248	Mercuric nitrate	141	1625
poisonous, n.o.s.	022515	S-2892-	Mercuric oxycyanide	151	1642
Medicine, liquid, flammable, toxic, n.o.s.	131	3248	Mercuric potassium cyanide	157	1626
Medicine, liquid, poisonous	151	1851	Mercuric sulfate	151	1645
n.o.s.	0.000	600000	Mercuric sulphate	151	1645
Medicine, liquid, toxic, n.o.s.	151	1851	Mercurous bromide	154	1634
Medicine, solid, poisonous, n.o.s.	151	3249	Mercurous nitrate	141	1627
vedicine solid toxic n.o.s	151	3249	Mercury	172	2809
Mercantan mixture liquid	130	3336	Mercury acetate	151	1629
flammable, n.o.s.	150	0000	Mercury ammonium chloride	151	1630
			Mercury based pesticide, liquid, flammable, poisonous	131	2778
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Name of Material	Guide No.	ID No.	Name of Material	Guide No.	No.
Mercury based pesticide,	131	2778	Mesityl oxide	129	1229
Mercury based pesticide,	151	3012	Metal alkyl halides, water- reactive, n.o.s.	138	3049
liquid, poisonous Mercury based pesticide,	131	3011	Metal alkyl hydrides, water- reactive, n.o.s.	138	3050
liquid, poisonous, flammable			Metal alkyls, water-reactive, n.o.s.	135	2003
Mercury based pesticide, liquid, toxic	151	3012	Metal aryl halides, water-	138	3049
Mercury based pesticide, liquid, toxic, flammable	131	3011	Metal aryl hydrides, water-	138	3050
Mercury based pesticide, solid, poisonous	151	2777	Metal aryls, water-reactive,	135	2003
Mercury based pesticide, solid, toxic	151	2777	Metal carbonyls, liquid, n.o.s	151	3281
Mercury benzoate	154	1631	Metal carbonyls, n.o.s.	151	3281
Mercury bromides	154	1634	Metal carbonyls, solid, n.o.s.	151	3466
Mercury compound, liquid, n.o.s.	151	2024	Metal catalyst, dry Metal catalyst, wetted	135 170	2881
Mercury compound, solid,	151	2025	Metaldehyde	133	1332
n.o.s. Mercury contained in manufactured articles	172	3506	Metal hydrides, flammable, n.o.s.	170	3182
Mercury cyanide	154	1636	Metal hydrides, water- reactive, n.o.s.	138	1409
Mercury gluconate	151	1637	Metallic substance, water-	138	3208
Mercury iodide	151	1638	reactive, n.o.s.		
Mercury metal	172	2809	Metallic substance, water- reactive, self-heating, n.o.s	138	3209
Mercury nucleate	151	1639	Metal powder, flammable,	170	3089
Mercury oleate	151	1640	n.o.s.	0.002	
Mercury oxide	151	1641	Metal powder, self-heating,	135	3189
Mercury oxycyanide, desensitized	151	1642	n.o.s. Metal salts of organic	133	3181
Mercury potassium iodide	151	1643	compounds, flammable, n.o.s.		
Mercury salicylate	151	1644	Methacrylaldehyde, stabilized	131P	2396
Mercury sulfate	151	1645	Methacrylic acid, stabilized	153P	2531
Mercury sulphate	151	1645	Methacrylonitrile, stabilized	131P	3079
Mercury thiocyanate	151	1646	Methallyl alcohol	129	2614

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No.
Methane	115	1971	Methyl bromide and	123	1581
Methane, compressed	115	1971	Chioropicrin mixture		1017
Methane, refrigerated liquid (cryogenic liquid)	115	1972	dibromide mixture, liquid	151	1647
Methane and Hydrogen mixture, compressed	115	2034	Methyl bromoacetate 2-Methylbutanal	155 129	2643 3371
Methanesulfonyl chloride	156	3246	3-Methylbutan-2-one	127	2397
Methanesulphonyl chloride	156	3246	2-Methyl-1-butene	128	2459
Methanol	131	1230	2-Methyl-2-butene	128	2460
Methoxymethyl isocyanate	155	2605	3-Methyl-1-butene	128	2561
4-Methoxy-4-methylpentan-	128	2293	N-Methylbutylamine	132	2945
2-one			Methyl tert-butyl ether	127	2398
1-Methoxy-2-propanol	129	3092	Methyl butyrate	129	1237
Methyl acetate	129	1231	Methyl chloride	115	1063
Methylacetylene and Propadiene mixture, stabilized	116P	1060	Methyl chloride and Chloropicrin mixture	119	1582
Methyl acrylate, stabilized	129P	1919	Methyl chloride and Methylene	115	1912
Methylal	127	1234	Methyl chloroacetate	155	2295
Methyl alcohol	131	1230	Methyl chloroformate	155	1238
Methylallyl chloride	130P	2554	Methyl chloromethyl ether	131	1239
Methylamine, anhydrous	118	1061	Methyl 2-chloropropionate	129	2933
Methylamine, aqueous solution	132	1235	Methylchlorosilane	119	2534
Methylamyl acetate	130	1233	Methylcyclohexane	128	2296
Methylamyl alcohol	129	2053	Methylcyclohexanols	129	2617
Methyl amyl ketone	127	1110	Methylcyclohexanone	128	2297
N-Methylaniline	153	2294	Methylcyclopentane	128	2298
alpha-Methylbenzyl alcohol	153	2937	Methyl dichloroacetate	155	2299
alpha-Methvibenzvi alcohol.	153	2937	Methyldichloroarsine	152	1556
liquid	1002	98.5W	Methyldichlorosilane	139	1242
alpha-Methylbenzyl alcohol, solid	153	3438	Methylene chloride	160	1593
Methylbenzyl alcohol (alpha)	153	2937	Methylene chloride and Methyl chloride mixture	115	1912
Methyl bromide	123	1062	Mathul athul athar	445	020

Name of Material G	Guide No.	ID No.	Name of Material	Guide No.	ID No
Methyl ethyl ketone	127	1193	Methyl propyl ketone	127	1249
2-Methyl-5-ethylpyridine	153	2300	Methyltetrahydrofuran	127	2536
Methyl fluoride	115	2454	Methyl trichloroacetate	156	253
Methyl formate	129	1243	Methyltrichlorosilane	155	125
2-Methylfuran	128	2301	alpha-Methylvaleraldehyde	130	236
2-Methyl-2-heptanethiol	131	3023	Methyl valeraldehyde (alpha)	130	236
5-Methylhexan-2-one	127	2302	Methyl vinyl ketone, stabilized	131P	125
Methylhydrazine	131	1244	M.I.B.C.	129	2053
Methyl iodide	151	2644	Molten sulfur	133	2448
Methyl isobutyl carbinol	129	2053	Molten sulphur	133	2448
Methyl isobutyl ketone	127	1245	Molybdenum pentachloride	156	2508
Methyl isocyanate	155	2480	Monoethanolamine	153	2491
Methyl isopropenyl ketone,	127P	1246	Mononitrotoluidines	153	2660
stabilized		_	Morpholine	132	2054
Methyl isothiocyanate	131	2477	Motor fuel anti-knock mixture	131	1649
Methyl isovalerate	130	2400	Motor fuel anti-knock mixture,	131	3483
Methyl magnesium bromide in Ethyl ether	135	1928	flammable		
Methyl mercaptan	117	1064	Motor spirit	128	1203
Methyl methacrylate monomer, stabilized	129P	1247	Motor spirit and ethanol mixture, with more than 10% ethanol	127	3475
4-Methylmorpholine	132	2535	Muriatic acid	157	1789
N-Methylmorpholine	132	2535	Musk xylene	149	2956
Methyl nitrite	116	2455	Mustard	153	2810
Methyl orthosilicate	155	2606	Mustard Lewisite	153	2810
Methylpentadiene	128	2461	Naphthalene, crude	133	1334
2-Methylpentan-2-ol	129	2560	Naphthalene, molten	133	2304
Methylphenyldichlorosilane	156	2437	Naphthalene, refined	133	1334
Methyl phosphonic dichloride	137	9206	alpha-Naphthylamine	153	2077
Methyl phosphonous	135	2845	beta-Naphthylamine	153	1650
dichionide	400	0000	beta-Naphthylamine, solid	153	1650
1-methylpiperidine	132	2399	beta-Naphthylamine, solution	153	3411
Methyl propionate	129	1248	Naphthylamine (alpha)	153	2077
metnyi propyi ether	127	2612			

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No
Naphthylamine (beta)	153	1650	Nicotine sulfate, solid	151	3445
Naphthylamine (beta), solid	153	1650	Nicotine sulfate, solution	151	1658
Naphthylamine (beta), solution	153	3411	Nicotine sulphate, solid	151	1658
Naphthylthiourea	153	1651	Nicotine sulphate, solid	151	3445
Naphthylurea	153	1652	Nicotine sulphate, solution	151	1658
Natural das, compressed	115	1971	Nicotine tartrate	151	1659
Natural gas, refrigerated liqui	d 115	1972	Nitrates, inorganic, aqueous solution, n.o.s.	140	3218
Nechevane	128	1208	Nitrates, inorganic, n.o.s.	140	1477
Neon	121	1065	Nitrating acid mixture with	157	1796
Neon, compressed	121	1065	Nitrating acid mixture with	157	1796
Neon, refrigerated liquid (cryogenic liquid)	120	1913	not more than 50% nitric acid	101	
Nickel carbonyl	131	1259	Nitrating acid mixture, spent,	157	1826
Nickel catalyst, dry	135	2881	nitric acid		
Nickel cyanide	151	1653	Nitrating acid mixture, spent, with not more than 50%	157	1826
Nickel nitrate	140	2725	nitric acid		
Nickel nitrite	140	2726	Nitric acid, other than red	157	2031
Nicotine	151	1654	fuming, with more than 70% nitric acid	0	
Nicotine compound, liquid, n.o.s.	151	3144	Nitric acid, other than red fuming, with not more than	157	2031
Nicotine compound, solid,	151	1655	70% nitric acid		
n.o.s.			Nitric acid, red fuming	157	2032
Nicoline hydrochloride	151	1656	Nitric oxide	124	1660
Nicotine hydrochloride, liquid	151	1656	Nitric oxide, compressed	124	1660
Nicotine hydrochloride, solid	151	3444	Nitric oxide and Dinitrogen	124	1975
Nicotine hydrochloride, solution	151	1656	Nitric oxide and Nitrogen	124	1975
Nicotine preparation, liquid, n.o.s.	151	3144	dioxide mixture	124	1975
Nicotine preparation, solid, n.o.s.	151	1655	tetroxide mixture	104	2070
Nicotine salicylate	151	1657	poisonous, n.o.s.	131	32/3
Nicotine sulfate, solid	151	1658	Nitriles, flammable, toxic, n.o.s.	131	3273

Name of Material	No.	ID No.	Name of Material	Guide No.	ID No.
Nitriles, liquid, poisonous, n.o.	s. 151	3276	Nitrocellulose mixture, withou pigment	ut 133	2557
Nitriles, liquid, toxic, n.o.s. Nitriles, poisonous, flammable, n.o.s.	151	3275	Nitrocellulose mixture, withou plasticizer	ut 133	2557
Nitriles, poisonous, liquid, n.o.s.	151	3276	Nitrocellulose mixture, with pigment	133	2557
Nitriles, poisonous, n.o.s.	151	3276	Nitrocellulose mixture, with plasticizer	133	2557
Nitriles, poisonous, solid, n.o.s.	151	3439	Nitrocellulose, solution, flammable	127	2059
Nitriles, solid, poisonous, n.o.s	. 151	3439	Nitrocellulose with alcohol	113	2556
Nitriles, solid, toxic, n.o.s.	151	3439	Nitrocellulose with not less	113	2556
Nitriles, toxic, flammable, n.o.s.	131	3275	than 25% alcohol	44.2	0555
Nitriles, toxic, liquid, n.o.s.	151	3276	less than 25% water	113	2000
Nitriles, toxic, n.o.s.	151	3276	3-Nitro-4-	152	2307
Nitriles, toxic, solid, n.o.s.	151	3439	chlorobenzotrifluoride	152	
Nitrites, inorganic, aqueous solution, n.o.s.	140	3219	Nitrocresols, liquid	153	3434
Nitrites, inorganic, n.o.s.	140	2627	Nitrocresols, solid	153	2446
Nitroanilines	153	1661	Nitroethane	129	2842
Vitroanisoles, liquid	152	2730	Nitrogen	121	1066
Nitroanisoles, solid	152	2730	Nitrogen, compressed	121	1066
Nitroanisoles, solid	152	3458	Nitrogen, refrigerated liquid	120	1977
Vitrobenzene	152	1662	Nitronen and Rare nases	121	1081
Vitrobenzenesulfonic acid	153	2305	mixture, compressed	121	1301
Vitrobenzenesulphonic acid	153	2305	Nitrogen dioxide	124	1067
Vitrobenzotrifluorides	152	2306	Nitrogen dioxide and Nitric	124	1975
litrobenzotrifluorides, liquid	152	2306	oxide mixture		10.75
litrobenzotrifluorides, solid	152	3431	oxide mixture	124	1975
litrobromobenzenes, líquid	152	2732	Nitrogen trifluoride	122	2451
litrobromobenzenes, solid	152	2732	Nitrogen trifluoride,	122	2451
litrobromobenzenes, solid	152	3459	compressed		
litrocellulose membrane filters	133	3270	Nitrogen trioxide	124	2421

Name of Material	Guide No.	No.	Name of Material (Suide No.	ID No
Nitroglycerin, solution in	127	3064	Nitrotoluenes, solid	152	1664
alcohol, with more than 1% but not more than 5%			Nitrotoluenes, solid	152	3446
Nitroglycerin			Nitrotoluidines (mono)	153	2660
Nitroglycerin, solution in	127	1204	Nitrous oxide	122	1070
1% Nitroglycerin			Nitrous oxide, compressed	122	1070
Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s. with not	113	3343	Nitrous oxide, refrigerated liquid	122	2201
more than 30% Nitroglyceri	n		Nitrous oxide and Carbon dioxide mixture	126	1015
Nitroglycerin mixture, desensitized liquid n.o.s.	113	3357	Nitroxylenes, liquid	152	1665
with not more than 30%			Nitroxylenes, solid	152	1665
Nitrogiycerin Nitrogiycerin	442	2240	Nitroxylenes, solid	152	3447
desensitized, solid, n.o.s., with more than 2% but not more than 10% Nitroglycerin	113 1	3319	Nonanes	128	1920
			Nonyltrichlorosilane	156	1799
Nitroguanidine, wetted with	113	1336	2,5-Norbornadiene, stabilized	128P	2251
not less than 20% water		1223002	Octadecyltrichlorosilane	156	1800
Nitrohydrochloric acid	157	1798	Octadiene	128P	2309
Nitromethane	129	1261	Octafluorobut-2-ene	126	2422
Nitronaphthalene	133	2538	Octafluorocyclobutane	126	1976
Nitrophenols	153	1663	Octafluoropropane	126	2424
4-Nitrophenylhydrazine, with not less than 30% water	113	3376	Octanes	128	1262
Nitropropanes	129	2608	Octyl aldehydes	129	1191
o-Nitrosodimethylaniline	135	1369	Octyltrichlorosilane	156	1801
Nitrostarch, wetted with not	113	1337	Oil, petroleum	128	1270
less than 20% water	A MARCENE &	0.882575	Oil gas	119	1071
Nitrosyl chloride	125	1069	Oil gas, compressed	119	1071
Nitrosylsulfuric acid, liquid	157	2308	Organic peroxide type B, liquid	146	3101
Nitrosylsulfuric acid, solid	157	2308	Organic peroxide type B, liquid, temperature	148	3111
Nitrosylsulfuric acid, solid	157	3456	controlled		
Nitrosylsulphuric acid, liquid	157	2308	Organic peroxide type B, solid	146	3102
Nitrosylsulphuric acid, solid	157	2308	Organic peroxide type B, solid,	148	3112
Nitrosylsulphuric acid, solid	157	3456	temperature controlled		
Nitrotoluenes, liquid	152	1664			

Name of Material	No.	No.	Name or Material	No.	No.
Organic peroxide type C, liquid	146	3103	Organic pigments, self- heating	135	3313
Organic peroxide type C, liquid, temperature controlled	148	3113	Organoarsenic compound, liquid, n.o.s.	151	3280
Organic peroxide type C, solid	146	3104	Organoarsenic compound, n.o.s.	151	3280
Organic peroxide type C, solid, temperature	148	3114	Organoarsenic compound, solid, n.o.s.	151	3465
Organic peroxide type D, liquid	145	3105	Organochlorine pesticide, liquid, flammable, poisonous	131	2762
Organic peroxide type D, liquid, temperature	148	3115	Organochlorine pesticide, liquid, flammable, toxic	131	2762
Controlled Organic peroxide type D, solid	145	3106	Organochlorine pesticide, liquid, poisonous	151	2996
Organic peroxide type D, solid, temperature controlled	148	3116	Organochlorine pesticide, liquid, poisonous, flammable	131	2995
Organic peroxide type E, liqui	d 145	3107	Organochlorine pesticide,	151	2996
Drganic peroxide type E, liquid, temperature controlled	148	3117	Organochlorine pesticide, liquid, toxic, flammable	131	2995
Organic peroxide type E, solid	145	3108	Organochlorine pesticide,	151	2761
Organic peroxide type E, solid temperature controlled	,148	3118	Organochlorine pesticide,	151	2761
Organic peroxide type F, liquic	145	3109	Organometallic compound liquid	151	3282
Drganic peroxide type F, liquid, temperature	148	3119	poisonous, n.o.s.		0202
controlled			Organometallic compound, liquid, toxic, n.o.s.	151	3282
Organic peroxide type F, solid Organic peroxide type F, solid	145	3110 3120	Organometallic compound, poisonous, liquid, n.o.s.	151	3282
Organic phosphate compound	123	1955	Organometallic compound, poisonous, n.o.s.	151	3282
Organic phosphate mixed with	123	1955	Organometallic compound, poisonous, solid, n.o.s.	151	3467
Organic phosphorus	123	1955	Organometallic compound, solid, poisonous, n.o.s.	151	3467
compressed gas			Organometallic compound, solid, toxic, n.o.s.	151	3467

Name of Material	Guide No.	ID No.	Name of Material Guide No.	No
Organometallic compound, toxic, liquid, n.o.s.	151	3282	Organophosphorus compound, 151 liquid, toxic, n.o.s.	3278
Organometallic compound, toxic, n.o.s.	151	3282	Organophosphorus compound, 131 poisonous, flammable,	3279
Organometallic compound, toxic, solid, n.o.s.	151	3467	Organophosphorus compound, 151	3278
Organometallic compound, water-reactive, flammable, n.o.s.	138	3207	Organophosphorus compound, 151 poisonous, n.o.s.	3278
Organometallic compound dispersion, water-reactive,	138	3207	Organophosphorus compound, 151 poisonous, solid, n.o.s.	3464
flammable, n.o.s. Organometallic compound	138	3207	Organophosphorus compound, 151 solid, poisonous, n.o.s.	3464
solution, water-reactive, flammable, n.o.s.			Organophosphorus compound, 151 solid, toxic, n.o.s.	3464
Organometallic substance, liquid, pyrophoric	135	3392	Organophosphorus compound, 131 toxic, flammable, n.o.s.	3279
Organometallic substance, liquid, pyrophoric, water- reactive	135	3394	Organophosphorus compound, 151 toxic, liquid, n.o.s.	3278
Organometallic substance, liquid, water-reactive	135	3398	Organophosphorus compound, 151 toxic, n.o.s.	3278
Organometallic substance, liquid, water-reactive,	138	3399	Organophosphorus compound, 151 toxic, solid, n.o.s.	3464
Organometallic substance, solid, pyrophoric	135	3391	Organophosphorus pesticide, 131 liquid, flammable, poisonous	2784
Organometallic substance, solid, pyrophoric, water-	135	3393	Organophosphorus pesticide, 131 liquid, flammable, toxic	2784
reactive Organometallic substance.	138	3400	Organophosphorus pesticide, 152 liquid, poisonous	3018
solid, self-heating	104561	0.000.000	Organophosphorus pesticide, 131	3017
Organometallic substance, solid, water-reactive	135	3395	flammable	
Organometallic substance, solid, water-reactive,	138	3396	Organophosphorus pesticide, 152 liquid, toxic	3018
flammable Organometallic substance.	138	3397	Organophosphorus pesticide, 131 liquid, toxic, flammable	3017
solid, water-reactive, self- heating	201467459	6563/979707	Organophosphorus pesticide, 152 solid, poisonous	2783
Organophosphorus compound liquid, poisonous, n.o.s.	1,151	3278	Organophosphorus pesticide, 152 solid, toxic	2783
			Par	197

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No.
Organotin compound, liquid, n.o.s.	153	2788	Oxidizing solid, self-heating, n.o.s.	135	3100
Organotin compound, solid,	153	3146	Oxidizing solid, toxic, n.o.s.	141	3087
n.o.s. Organotin pesticide, liquid,	131	2787	Oxidizing solid, water- reactive, n.o.s.	144	3121
Organotio posticido liquid	121	2787	Oxygen	122	1072
flammable, toxic	131	2/0/	Oxygen, compressed	122	1072
Organotin pesticide, liquid, poisonous	153	3020	Oxygen, refrigerated liquid (cryogenic liquid)	122	1073
Organotin pesticide, liquid, poisonous, flammable	131	3019	Oxygen and Carbon dioxide mixture, compressed	122	1014
Organotin pesticide, liquid, toxic	153	3020	Oxygen and Rare gases mixture, compressed	121	1980
Organotin pesticide, liquid,	131	3019	Oxygen difluoride	124	2190
toxic, flammable		0700	Oxygen difluoride, compressed	124	2190
poisonous	153	2/80	Oxygen generator, chemical	140	3356
Organotin pesticide, solid, toxic	153	2786	Oxygen generator, chemical, spent	140	3356
Osmium tetroxide	154	2471	Packaging discarded, empty,	171	3509
Other regulated substances, liquid, n.o.s.	171	3082	uncleaned Paint (corrosive)	153	3066
Other regulated substances,	171	3077	Paint, corrosive, flammable	132	3470
solid, n.o.s.			Paint (flammable)	128	1263
Dxidizing liquid, corrosive, n.o.s.	140	3098	Paint, flammable, corrosive	132	3469
Oxidizing liquid, n.o.s.	140	3139	Paint related material	153	3066
Oxidizing liquid, poisonous,	142	3099	(corrosive) Paint related material.	132	3470
Oxidizing liquid, toxic, n.o.s.	142	3099	corrosive, flammable		
Dxidizing solid, corrosive,	140	3085	Paint related material (flammable)	128	1263
Dxidizing solid, flammable,	140	3137	Paint related material, flammable, corrosive	132	3469
)xidizing solid n.o.s	140	1479	Paper, unsaturated oil treated	133	1379
)vidizing solid noisonous	141	3087	Paraformaldehyde	133	2213
n.o.s.	141	0001	Paraldehyde	129	1264

Name of Material G	Fuide No.	ID No.	Name of Material	Guide No.	ID No
Parathion and compressed	123	1967	Perchloryl fluoride	124	3083
gas mixture			Perfluoro(ethyl vinyl ether)	115	3154
PCB	171	2315	Perfluoro(methyl vinyl ether)	115	3153
PD	152	1556	Perfumery products, with	127	1266
Pentaborane	135	1380	flammable solvents		
Pentachloroethane	151	1669	Permanganates, inorganic,	140	3214
Pentachlorophenol	154	3155	aqueous solution, n.o.s.	110	4 4 0 0
Pentaerythrite tetranitrate mixture, desensitized,	113	3344	Permanganates, inorganic, n.o.s.	140	1482
solid, n.o.s., with more than 10% but not more than 20%			Peroxides, inorganic, n.o.s.	140	1483
PETN Pentaerythritol tetranitrate mixture, desensitized, solid, n.o.s., with more than 10% but not more than 20%	113	3344	Peroxyacetic acid and hydrogen peroxide mixture with acid(s), water and not more than 5% Peroxyacetic acid, stabilized	140	3149
PETN		No. Charles	aqueous solution, n.o.s.	140	5210
Pentafluoroethane	126	3220	Persulfates, inorganic, n.o.s.	140	3215
Pentafluoroethane and Ethylene oxide mixture, with not more than 7.9%	126	3298	Persulphates, inorganic, aqueous solution, n.o.s.	140	3216
Ethylene oxide	400	0000	Persulphates, inorganic,	140	3215
Pentamethylneptane	128	2280	Pesticide liquid flammable	131	3021
Pentane-2,4-dione	131	2310	poisonous, n.o.s.	151	0021
Pentanes	128	1265	Pesticide, liquid, flammable,	131	3021
Pentanols	129	1105	toxic, n.o.s.	100000000000000000000000000000000000000	New York Contraction
1-Pentene	128	1108	Pesticide, liquid, poisonous, flammable, n.o.s	131	2903
1-Pentol	153P	2705	Posticido liquid poleonous	151	2002
Perchlorates, inorganic, aqueous solution, n.o.s.	140	3211	n.o.s.	151	2302
Perchlorates, inorganic, n.o.s.	140	1481	Pesticide, liquid, toxic, flammable, n.o.s.	131	2903
Perchloric acid, with more than 50% but not more than	143	1873	Pesticide, liquid, toxic, n.o.s.	151	2902
72% acid Perchloric acid, with not more	140	1802	Pesticide, solid, poisonous, n.o.s.	151	2588
than 50% acid	140	1002	Pesticide, solid, toxic, n.o.s.	151	2588
Perchloroethylene	160	1897	PETN mixture, desensitized,	113	3344
and the state of the	4.8.9	1070	solid, n.o.s., with more than	1	

Name of Material	Guide No.	ID No.	Name of Material	No.	ID No.
Petrol	128	1203	Phenoxyacetic acid derivative	153	3345
Petrol and ethanol mixture, with more than 10% ethanol	127	3475	Phenoxyacetic acid derivative	153	3345
Petroleum crude oil	128	1267	pesticide, solid, toxic		
Petroleum distillates, n.o.s.	128	1268	Phenylacetonitrile, liquid	152	2470
Petroleum gases, liquefied	115	1075	Phenylacetyl chloride	156	2577
Petroleum oil	128	1270	Phenylcarbylamine chloride	151	1672
Petroleum products, n.o.s.	128	1268	Phenyl chloroformate	156	2746
Petroleum sour crude oil,	131	3494	Phenylenediamines	153	1673
flammable, poisonous		Torre Sock	Phenylhydrazine	153	2572
Petroleum sour crude oil,	131	3494	Phenyl isocyanate	155	2487
Dhanacovi bromido	452	2645	Phenyl mercaptan	131	2337
Phenacyl bronnide Dhanatidinaa	100	2040	Phenylmercuric acetate	151	1674
Phenetiaines	103	2311	Phenylmercuric compound,	151	2026
Phenol, molten	153	2312	n.o.s.		
Phenol, solid Rhanalashtisa	153	16/1	Phenylmercuric hydroxide	151	1894
Phenol solution	153	2821	Phenyimercuric nitrate	151	1895
Phenolates, liquid	154	2904	Phenylphosphorus dichloride	137	2798
Phenolates, solid	154	2905	Phenylphosphorus thiodichloride	137	2799
Phenolsulfonic acid, liquid	153	1803	Phenyltrichlorosilane	156	1804
Phenolsulphonic acid, liquid Phenoxyacetic acid derivative	153 131	1803 3346	Phenyl urea pesticide, liquid,	151	3002
pesticide, liquid, flammable poisonous	,		Phenyl urea pesticide, liquid,	151	3002
Phenoxyacetic acid derivative	131	3346	Phoseona	125	1076
toxic	*		9 Phoenbabiqualanananan	120	2040
Phenoxyacetic acid derivative pesticide, liquid, poisonous	153	3348	Phosphine	119	2940
Phenoxyacetic acid derivative	131	3347	Phosphine, adsorbed	173	3525
pesticide, liquid, poisonous flammable		0041	Phosphoric acid, liquid	154	1805
Phenoxyacetic acid derivative	153	3348	Phosphoric acid, solid	154	1805
pesticide, liquid, toxic			Phosphoric acid, solid	154	3453
Phenoxyacetic acid derivative	131	3347	Phosphoric acid, solution	154	1805
flammable			Phosphorous acid	154	2834

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Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No
Phosphorus, amorphous	133	1338	Phosphorus trioxide	157	2578
Phosphorus, white, dry or under water or in solution	136	1381	Phosphorus trisulfide, free from yellow and white	139	1343
Phosphorus, white, molten	136	2447	Phosphorus		
Phosphorus, yellow, dry or under water or in solution	136	1381	Phosphorus trisulphide, free from yellow and white Phosphorus	139	1343
Phosphorus heptasulfide,	139	1339	Phthalic anhydride	156	2214
Phosphorus			Picolines	129	2313
Phosphorus heptasulphide, free from yellow and white	139	1339	Picric acid, wetted with not less than 10% water	113	3364
Phosphorus oxybromide	127	1030	Picric acid, wetted with not	113	1344
Phosphorus oxybromide, molten	137	2576	Picrite, wetted with not less than 20% water	113	1336
Phosphorus oxybromide, solid	1 137	1939	Picryl chloride, wetted with no	t 113	3365
Phosphorus oxychloride	137	1810	less than 10% water		
Phosphorus pentabromide	137	2691	alpha-Pinene	128	2368
Phosphorus pentachloride	137	1806	Pinene (alpha)	128	2368
Phosphorus pentafluoride	125	2198	Pine oil	129	1272
Phosphorus pentalluoride,	173	3524	Piperazine	153	2579
adsorbed	1011-2		Piperidine	132	2401
Phosphorus pentafluoride,	125	2198	Plastic molding compound	171	3314
Phoenhorus contaculfide	120	1240	Plastics moulding compound	171	3314
free from yellow and white Phosphorus	133	1340	Plastics, nitrocellulose-based self-heating, n.o.s.	, 135	2006
Phosphorus pentasulphide, free from yellow and white Phosphorus	139	1340	Polsonous by inhalation liquid corrosive, flammable, n.o.s (Inhalation Hazard Zone A)	, 131	3492
Phosphorus pentoxide	137	1807	Poisonous by inhalation liquid	. 131	3493
Phosphorus sesquisulfide,	139	1341	(Inhalation Hazard Zone B)	e	
Phosphorus			Poisonous by inhalation liquid	. 154	3389
Phosphorus sesquisulphide, free from yellow and white	139	1341	Hazard Zone A) Poisonous by inhalation liquid	154	3390
Phosphorus tribromide	137	1808	corrosive, n.o.s. (Inhalation Hazard Zone B)	U.	
Phoenhorue trichlorido	127	1900			

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No.
Poisonous by inhalation liquid flammable, corrosive, n.o.s	1, 131	3488	Poisonous liquid, inorganic, n.o.s.	151	3287
(Inhalation Hazard Zone A) Poisonous by inhalation liquid	1, 131	3489	Poisonous liquid, organic, n.o.s.	153	2810
flammable, corrosive, n.o.s (Inhalation Hazard Zone B)	i.		Poisonous liquid, oxidizing, n.o.s.	142	3122
Poisonous by inhalation liquid, flammable, n.o.s. (Inhalation Hazard Zone A)	131	3383	Poisonous liquid, water- reactive, n.o.s.	139	3123
Poisonous by inhalation liquid, flammable, n.o.s.	131	3384	Poisonous solid, corrosive, inorganic, n.o.s.	154	3290
(Inhalation Hazard Zone B) Poisonous by inhalation liquid	1. 151	3381	Poisonous solid, corrosive, organic, n.o.s.	154	2928
n.o.s. (Inhalation Hazard Zone A)			Poisonous solid, flammable, organic, n.o.s.	134	2930
Poisonous by inhalation liquid n.o.s. (Inhalation Hazard Zone R)	1, 151	3382	Poisonous solid, inorganic, n.o.s.	151	3288
Poisonous by inhalation liquid	, 142	3387	Poisonous solid, organic, n.o.s.	154	2811
Hazard Zone A)			Poisonous solid, oxidizing, n.o.s.	141	3086
Poisonous by inhalation liquid oxidizing, n.o.s. (Inhalation Hazard Zone B)	1,142	3388	Poisonous solid, self-heating n.o.s.	, 136	3124
Poisonous by inhalation liquid water-reactive, flammable,	, 155	3490	Poisonous solid, water- reactive, n.o.s.	139	3125
n.o.s. (Inhalation Hazard Zone A)			Polyalkylamines, n.o.s.	132	2733
Poisonous by inhalation liquid	, 155	3491	Polyalkylamines, n.o.s.	132	2734
water-reactive, flammable,			Polyalkylamines, n.o.s.	153	2735
Zone B)			Polyamines, flammable, corrosive, n.o.s.	132	2733
Poisonous by inhalation liquid, water-reactive, n.o.s (Inhalation Hazard Zone A)	139	3385	Polyamines, liquid, corrosive, flammable, n.o.s.	132	2734
Poisonous by inhalation liquid, water-reactive, n.o.s	139	3386	Polyamines, liquid, corrosive, n.o.s.	153	2735
(Inhalation Hazard Zone B)		-	Polyamines, solid, corrosive,	154	3259
Poisonous liquid, corrosive, inorganic, n.o.s.	154	3289	n.o.s. Polychlorinated biphenyls	171	2315
Poisonous liquid, corrosive, organic, n.o.s.	154	2927	Polychlorinated biphenyls,	171	2315
Poisonous liquid, flammable, organic, n.o.s.	131	2929			

Name of Material	No.	No.	Name of Material	Guide No.	ID No
Polychlorinated biphenyls, solid	171	3432	Potassium chlorate, aqueous solution	140	2427
Polyester resin kit	128	3269	Potassium cuprocyanide	157	1679
Polyester resin kit, liquid base	128	3269	Potassium cyanide	157	1680
material	1990	02822	Potassium cyanide, solid	157	1680
Polyester resin kit, solid base material	128P	3527	Potassium cyanide, solution	157	3413
Polyhalogenated biphenyls,	171	3151	Potassium dithionite	135	1929
liquid			Potassium fluoride	154	1812
Polyhalogenated biphenyls, solid	171	3152	Potassium fluoride, solid	154	1812
Polyhalonenated ternhenvis	171	3151	Potassium fluoride, solution	154	3422
liquid		0101	Potassium fluoroacetate	151	2628
Polyhalogenated terphenyls,	171	3152	Potassium fluorosilicate	151	2655
solid			Potassium hydrogendifluoride	154	1811
Polymeric beads, expandable	133	2211	Potassium hydrogen	154	1811
Polymerizing substance, liquid, stabilized, n.o.s.	149P	3532	difluoride, solid	12220	1922
Polymerizing substance.	150P	3534	Potassium hydrogen difluoride, solution	154	3421
liquid, temperature			Potassium hydrogen sulfate	154	2509
Polymerizing substance solid	149P	3531	Potassium hydrogen sulphate	154	2509
stabilized, n.o.s.	1401	0001	Potassium hydrosulfite	135	1929
Polymerizing substance, solid	150P	3533	Potassium hydrosulphite	135	1929
n.o.s.			Potassium hydroxide, solid	154	1813
Polystyrene beads,	133	2211	Potassium hydroxide, solution	154	1814
expandable		112245-010	Potassium metavanadate	151	2864
Potassium	138	2257	Potassium monoxide	154	2033
Potassium, metal	138	2257	Potassium nitrate	140	1486
Potassium, metal alloys	138	1420	Potassium nitrate and Sodium	140	1499
Potassium, metal alloys, liquid	138	1420	nitrate mixture		
Potassium, metal alloys, solid	138	3403	Potassium nitrate and Sodium	140	1487
Potassium arsenate	151	1677	Dotossium sitrite	140	1400
Potassium arsenite	154	1678	Potossium nume	140	1400
Potassium borohydride	138	1870	Potassium perchiorate	140	1489
Potassium bromate	140	1484	Potassium permanganate	140	1490
Potassium chlorate	140	1485	Potassium peroxide	144	1491

Name of Material G	No.	ID No.	Name of Material	Suide No.	ID No.
Potassium persulfate	140	1492	Propionic acid	132	1848
Potassium persulphate	140	1492	Propionic acid, with not less	132	1848
Potassium phosphide	139	2012	than 10% and less than 90% acid		
Potassium silicofluoride	151	2655	Propionic acid, with not less	132	3463
Potassium sodium alloys	138	1422	than 90% acid		
Potassium sodium alloys, liquid	138	1422	Propionic anhydride Propionitrile	156	2496
Potassium sodium allovs, solio	138	3404	Propionul ablarida	131	1914
Potassium sulfide, anhydrous	135	1382	Propionyl caloride	132	1010
otassium sulfide, hydrated.	153	1847	Received electrol accord	123	1270
otassium sulfide, hydrated, with not less than 30% wate	r	17.15	Propyl alconol, normal	123	1274
of crystallization	435	1202	Propylamine o Descul because	132	1211
less than 30% water of crystallization	135	1382	Propyl chloride	129	1278
Potassium sulphide	135	1382	n-Propyl chloroformate	155	2740
anhydrous			Propylene	115	1075
Potassium sulphide, hydrated,	1, 153	1847	Propylene	115	1077
of crystallization Potassium sulphide, with less than 30% water of crystallization	135	1382	Propylene, Ethylene and Acetylene in mixture, refrigerated liquid containing at least 71.5% Ethylene with not more thar 22.5% Acetylene and not	115	3138
Potassium superoxide	143	2400	more than 6% Propylene		
Printing ink, flammable	129	1210	Propylene chlorohydrin	131	2611
Printing ink related material	129	1210	1,2-Propylenediamine	132	2258
Propadiene, stabilized	116P	2200	Propyleneimine, stabilized	131P	1921
Propadiene and Methylacetylene mixture,	116P	1060	Propylene oxide	127P	1280
Propane	115	1075	oxide mixture, with not more than 30% Ethylene oxide	129P	2983
Propane	115	1978	Propylene tetramer	128	2850
Propane-Ethane mixture, refrigerated liquid	115	1961	Propyl formates	129	1281
Propanethiols	130	2402	n-Propyl isocyanate	155	2482
n-Propanol	129	1274	n-Propyl nitrate	131	1865
Propionaldehyde	129	1275	Propyltrichlorosilane	155	1816

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No
Pyrethroid pesticide, liquid, flammable, poisonous	131	3350	Radioactive material, excepted package, articles	161	2909
Pyrethroid pesticide, liquid, flammable, toxic	131	3350	manufactured from natural Thorium		
Pyrethroid pesticide, liquid, poisonous	151	3352	Radioactive material, excepted package, articles manufactured from natural	161	2909
Pyrethroid pesticide, liquid, poisonous, flammable	131	3351	Uranium Radioactive material	161	2005
Pyrethroid pesticide, liquid, toxic	151	3352	excepted package, empty packaging	101	2900
Pyrethroid pesticide, liquid, toxic, flammable	131	3351	Radioactive material, excepted package,	161	2911
Pyrethroid pesticide, solid, poisonous	151	3349	Radioactive material,	161	2910
Pyrethroid pesticide, solid, toxic	151	3349	quantity of material		
Pyridine	129	1282	Radioactive material, low specific activity (LSA-I), nor fissile or fissile excepted	162 n	2912
Pyrophoric alloy, n.o.s.	135	1383	nissile of fissile-excepted		
Pyrophoric liquid, inorganic, n.o.s.	135	3194	specific activity (LSA-II), fissile	165	3324
Pyrophoric liquid, organic, n.o.s.	135	2845	Radioactive material, low specific activity (LSA-II).	162	3321
Pyrophoric metal, n.o.s.	135	1383	non fissile or fissile-		
Pyrophoric organometallic compound, water-reactive, n.o.s.	135	3203	Radioactive material, low specific activity (LSA-III), fissile	165	3325
Pyrophoric solid, inorganic, n.o.s.	135	3200	Radioactive material, low	162	3322
Pyrophoric solid, organic, n.o.s.	135	2846	non fissile or fissile-excepted	1	2222
Pyrosulfuryl chloride	137	1817	contaminated objects	165	3320
Pyrosulphuryl chloride	137	1817	(SCO-I), fissile		
Pyrrolidine	132	1922	Radioactive material, surface	162	2913
Quinoline	154	2656	(SCO-I), non fissile or		
Radioactive material, excepted package, articles manufactured from depleted Uranium	161	2909	Radioactive material, surface contaminated objects (SCO-II), fissile	165	3326

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Name of Material	No.	No.	Name of Material	No.	ID No.
Radioactive material, surface	162	2913	Rags, oily	133	1856
contaminated objects (SCO-II), non fissile or fissile-excepted			Rare gases and Nitrogen mixture, compressed	121	1981
Radioactive material, transported under special	165	3331	Rare gases and Oxygen mixture, compressed	121	1980
Radioactive material,	163	2919	Rare gases mixture, compressed	121	1979
transported under special arrangement, non fissile or fissile-excented			Receptacles, small, containin gas	g 115	2037
Radioactive material Type A	165	3327	Red phosphorus	133	1338
package, fissile,		5521	Refrigerant gas, n.o.s.	126	1078
non-special form Radioactive material, Type A	163	2915	Refrigerant gases, n.o.s. (flammable)	115	1954
package, non-special form, non fissile or fissile-			Refrigerant gas R-12	126	1028
excepted			Refrigerant gas R-12B1	126	1974
Radioactive material, Type A	165	3333	Refrigerant gas R-12B2	171	1941
fissile			Refrigerant gas R-13	126	1022
Radioactive material, Type A	164	3332	Refrigerant gas R-13B1	126	1009
fissile or fissile-excepted			Refrigerant gas R-14	126	1982
Radioactive material, Type B(M package, fissile) 165	3329	Refrigerant gas R-14, compressed	126	1982
Radioactive material, Type B(M	163	2917	Refrigerant gas R-21	126	1029
package, non fissile or fissile-excepted			Refrigerant gas R-22	126	1018
Radioactive material. Type B(U)	165	3328	Refrigerant gas R-23	126	1984
package, fissile		0020	Refrigerant gas R-32	115	3252
Radioactive material, Type B(U)	163	2916	Refrigerant gas R-40	115	1063
fissile-excepted			Refrigerant gas R-41	115	2454
Radioactive material, Type C	165	3330	Refrigerant gas R-114	126	1958
package, fissile			Refrigerant gas R-115	126	1020
Radioactive material, Type C	163	3323	Refrigerant gas R-116	126	2193
fissile excepted			Refrigerant gas R-116, compressed	126	2193
Radioactive material, Uranium hexafluoride, fissile	166	2977	Refrigerant gas R-124	126	1021
Radioactive material, Uranium	166	2978	Refrigerant gas R-125	126	3220
hexafluoride, non fissile or fissile-excepted			Refrigerant gas R-133a	126	1983
Name of Material	Guide No.	No.	Name of Material	Guide No.	ID No
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Refrigerant gas R-134a	126	3159	Resin solution	127	1866
Refrigerant gas R-142b	115	2517	Resorcinol	153	2876
Refrigerant gas R-143a	115	2035	Rosin oil	127	1286
Refrigerant gas R-152a	115	1030	Rubber scrap, powdered or	133	134
Refrigerant gas R-161	115	2453	granulated		
Refrigerant gas R-218	126	2424	Rubber shoddy, powdered or granulated	133	134
Refrigerant gas R-227	126	3296	Rubber solution	127	128
Refrigerant gas R-404A	126	3337	Rubidium	138	142
Refrigerant gas R-407A	126	3338	Rubidium hydroxide	154	2678
Refrigerant gas R-407B	126	3339	Rubidium hydroxide, solid	154	2678
Refrigerant gas R-407C	126	3340	Rubidium hydroxide, solution	154	2677
Refrigerant gas R-500	126	2602	Rubidium metal	138	1423
Refrigerant gas R-502	126	1973	SA	119	2188
Refrigerant gas R-503	126	2599	Safety devices	171	3268
Refrigerant gas R-1113	119P	1082	Sarin	153	2810
Refrigerant gas R-1132a	116P	1959	Seat-belt pre-tensioners	171	3268
Refrigerant gas R-1216	126	1858	Seed cake, with more than	135	1386
Refrigerant gas R-1318	126	2422	1.5% oil and not more than		
Refrigerant gas RC-318	126	1976	Seed cake with not more than	125	2217
Refrigerating machines, containing Ammonia	126	2857	1.5% oil and not more than 11% moisture	135	2211
Refrigerating machines	115	3350	Selenates	151	2630
containing flammable, non-	115	3328	Selenic acid	154	1905
poisonous, liquefied gas			Selenites	151	2630
Refrigerating machines, containing flammable, non- toxic, liquefied gas	115	3358	Selenium compound, liquid, n.o.s.	151	3440
Refrigerating machines,	126	2857	Selenium compound, n.o.s.	151	3283
containing non-flammable, non-poisonous gases		sawonsh Pr	Selenium compound, solid, n.o.s.	151	3283
Refrigerating machines,	126	2857	Selenium disulfide	153	2657
non-toxic gases			Selenium disulphide	153	2657
Regulated medical waste,	158	3291	Selenium hexafluoride	125	2194
n.o.s.			Selenium oxychloride	157	2879

	No.	No.	Indine of Malenar	No.	No.
Self-defense spray, non- pressurized	171	3334	Self-reactive liquid type C, temperature controlled	150	3233
Self-heating liquid, corrosive,	136	3188	Self-reactive liquid type D	149	3225
Self-heating liquid, corrosive,	136	3185	Self-reactive liquid type D, temperature controlled	150	3235
olyanic, n.o.s.	425	2400	Self-reactive liquid type E	149	3227
n.o.s.	135	3100	Self-reactive liquid type E, temperature controlled	150	3237
elf-heating liquid, organic, n.o.s.	135	3183	Self-reactive liquid type F	149	3229
Gelf-heating liquid, poisonous, inorganic, n.o.s.	136	3187	Self-reactive liquid type F, temperature controlled	150	3239
elf-heating liquid, poisonous,	136	3184	Self-reactive solid type B	149	3222
organic, n.o.s. Jelf-beating liquid toxic	136	3187	Self-reactive solid type B, temperature controlled	150	3232
inorganic, n.o.s.	100	0107	Self-reactive solid type C	149	3224
elf-heating liquid, toxic, organic, n.o.s.	136	3184	Self-reactive solid type C, temperature controlled	150	3234
elf-heating solid, corrosive, inorganic, n.o.s.	136	3192	Self-reactive solid type D	149	3226
elf-heating solid, corrosive,	136	3126	Self-reactive solid type D, temperature controlled	150	3236
olf-heating solid inorganic	125	3100	Self-reactive solid type E	149	3228
n.o.s.	130	0100	Self-reactive solid type E,	150	3238
elf-heating solid, organic, n.o.s.	135	3088	Self-reactive solid type F	149	3230
elf-heating solid, oxidizing, n.o.s.	135	3127	Self-reactive solid type F, temperature controlled	150	3240
elf-heating solid, poisonous,	136	3191	Shale oil	128	1288
inorganic, n.o.s.			Silane	116	2203
elf-heating solid, poisonous, organic, n.o.s.	136	3128	Silane, compressed	116	2203
elf-heating solid, toxic,	136	3191	Silicofluorides, n.o.s.	151	2856
inorganic, n.o.s.			Silicon powder, amorphous	170	1346
elf-heating solid, toxic, organic, n.o.s.	136	3128	Silicon tetrachloride	157	1818
elf-reactive liquid type B	149	3221	Silicon tetrafluoride	125	1859
elf-reactive liquid type B,	150	3231	Silicon tetrafluoride, adsorbed Silicon tetrafluoride	125	3521
elf-reactive liquid type C	149	3223	compressed		

Name of Material	Suide No.	ID No.	Name of Material	Guide No.	ID No
Silver arsenite	151	1683	Sodium chlorate, aqueous	140	2428
Silver cyanide	151	1684	solution		
Silvernitrate	140	1493	Sodium chlorite	143	1496
Silver picrate, wetted with not	113	1347	Sodium chloroacetate	151	2659
less than 30% water			Sodium cuprocyanide, solid	157	2316
Sludge acid	153	1906	Sodium cuprocyanide, solutio	n 157	2317
Smokeless powder for small	133	3178	Sodium cyanide	157	1689
coda lima with more than 4%	151	1007	Sodium cyanide, solid	157	1689
Sodium hydroxide	134	1907	Sodium cyanide, solution	157	3414
Sodium	138	1428	Sodium dichloroisocyanurate	140	2465
Sodium aluminate, solid	154	2812	Sodium dichloro-s-	140	2465
Sodium aluminate, solution	154	1819	Sodium dinitro-o-cresolate	113	3360
Sodium aluminum hydride	138	2835	wetted with not less than		0000
Sodium ammonium vanadate	154	2863	10% water		
Sodium arsanilate	154	2473	wetted with not less than	113	1348
Sodium arsenate	151	1685	15% water		
Sodium arsenite, aqueous solution	154	1686	Sodium dithionite	135	1384
Sodium arsenite, solid	151	2027	Sodium fluoride	154	1690
Sodium azide	153	1687	Sodium fluoride, solid	154	1690
Sodium, batteries containing	138	3292	Sodium fluoride, solution	154	3415
Sodium bisulfate, solution	154	2837	Sodium fluoroacetate	151	2629
Sodium bisulphate, solution	154	2837	Sodium fluorosilicate	154	20/4
Sodium borohydride	138	1426	Sodium hydride Sodium hydride	138	142/
Sodium borohydride and	157	3320	Sodium hydrogendifiuoride	154	2439
Sodium hydroxide solution, with not more than 12% Sodium borobydride and		0010	hydrated, with not less than 25% water of crystallization	154	2949
not more than 40% Sodium hydroxide			Sodium hydrosulfide, with less than 25% water of crystallization	135	2318
Sodium bromate	141	1494	Sodium hydrosulfide with	154	2040
Sodium cacodylate	152	1688	not less than 25% water of	104	2040
Sodium carbonate peroxyhydrate	140	3378	crystallization	135	1394
	-		and an and a second sec	140	1004

Name of Material	No.	No.	Name of Material	No.	ID No.
Sodium hydrosulphide,	154	2949	Sodium potassium alloys	138	1422
25% water of crystallization	1		Sodium potassium alloys,	138	1422
Sodium hydrosulphide, with less than 25% water of crystallization	135	2318	Sodium potassium alloys, solid	138	3404
Sodium hydrosulphide, with	154	2949	Sodium silicofluoride	154	2674
not less than 25% water of crystallization			Sodium sulfide, anhydrous	135	1385
Sodium hydrosulphite	135	1384	Sodium sulfide, hydrated, with not less than 30% water	153	1849
Sodium hydroxide, solid	154	1823	Sodium sulfide, with less than	135	1385
Sodium hydroxide, solution	154	1824	30% water of crystallization		
Sodium hypochlorite	154	1791	Sodium sulphide, anhydrous	135	1385
Sodium methylate	138	1431	Sodium sulphide, hydrated, with not less than 30% wate	153	1849
Sodium methylate, dry	138	1431	Sodium sulphido with	125	1205
Sodium methylate, solution in alcohol	132	1289	less than 30% water of crystallization	135	1909
Sodium monoxide	157	1825	Sodium superoxide	143	2547
Sodium nitrate	140	1498	Solids containing corrosive	154	3244
Sodium nitrate and Potassium nitrate mixture	140	1499	liquid, n.o.s. Solids containing flammable	133	3175
Sodium nitrite	140	1500	liquid, n.o.s.		
Sodium nitrite and Potassium nitrate mixture	140	1487	Solids containing poisonous liquid, n.o.s.	151	3243
Sodium pentachlorophenate	154	2567	Solids containing toxic liquid, n.o.s.	151	3243
odium perborate	140	3377	Soman	153	2810
niononyorate Sodium perchlorate	140	1502	Stannic chloride, anhydrous	137	1827
Sodium permananate	140	1502	Stannic chloride, pentahydrate	154	2440
Sodium peroxide	144	1504	Stannic phosphides	139	1433
odium perovohorate	140	3247	Stibine	119	2676
anhydrous	140	5241	Straw, wet, damp or	133	1327
odium persulfate	140	1505	contaminated with oil		
odium persulphate	140	1505	Strontium arsenite	151	1691
odium phosphide	139	1432	Strontium chlorate	143	1506
odium picramate, wetted with	113	1349	Strontium nitrate	140	1507
not less than 20% water			Strontium perchlorate	140	1508

Name of Material C	No.	No.	Name of Material	No.	No
Strontium peroxide	143	1509	Sulfuric acid, fuming, with no	137	1831
Strontium phosphide	139	2013	less than 30% free Sulfur trioxide		
Strychnine	151	1692	Sulfuric acid, spent	137	1832
Strychnine salts	151	1692	Sulfuric acid, with more than	137	1830
Styrene monomer, stabilized	128P	2055	51% acid		
Substituted nitrophenol pesticide, liquid, flammable	131	2780	Sulfuric acid, with not more than 51% acid	157	2796
poisonous Substituted nitrophenol	131	2780	Sulfuric acid and Hydrofluoric acid mixture	157	1786
pesticide, liquid, flammable, toxic			Sulfurous acid	154	1833
Substituted nitronhenol	153	3014	Sulfur tetrafluoride	125	2418
pesticide, liquid, poisonous	100	3014	Sulfur trioxide, stabilized	137	1829
Substituted nitrophenol	131	3013	Sulfuryl chloride	137	1834
flammable	•		Sulfuryl fluoride	123	2191
Substituted nitrophenol	153	3014	Sulphamic acid	154	2967
pesticide, liquid, toxic			Sulphur	133	1350
Substituted nitrophenol pesticide liquid toxic	131	3013	Sulphur, molten	133	2448
flammable			Sulphur chlorides	137	1828
Substituted nitrophenol	153	2779	Sulphur dioxide	125	1079
pesticide, solid, poisonous	453	0770	Sulphur hexafluoride	126	1080
pesticide, solid, toxic	153	2119	Sulphuric acid	137	1830
Sulfamic acid	154	2967	Sulphuric acid, fuming	137	1831
Sulfur	133	1350	Sulphuric acid, fuming, with	137	1831
Sulfur, molten	133	2448	trioxide		
Sulfur chlorides	137	1828	Sulphuric acid, fuming, with	137	1831
Sulfur dioxide	125	1079	not less than 30% free Sulphur trioxide		
Sulfur hexafluoride	126	1080	Sulphuric acid, spent	137	1832
Sulfuric acid	137	1830	Sulphuric acid, with more than	137	1830
Sulfuric acid, fuming	137	1831	51% acid	110.000	
Sulfuric acid, fuming, with less than 30% free Sulfur	137	1831	Sulphuric acid, with not more than 51% acid	157	2796
trioxide			Sulphuric acid and Hydrofluoric acid mixture	157	1786
			Sulphurous acid	154	1833

Name of Material C	Suide No.	No.	Name of Material	No.	ID No.
Sulphur tetrafluoride	125	2418	Tetrafluoromethane,	126	1982
Sulphur trioxide, stabilized	137	1829	compressed		
Sulphuryl chloride	137	1834	1,2,3,6-letrahydrobenzaldehydd	129	2498
Sulphuryl fluoride	123	2191	Tetrahydrofuran	127	2056
Tabun	153	2810	Tetrahydrofurfurylamine	129	2943
Tars, liquid	130	1999	Tetrahydrophthalic anhydrides	156	2698
Tear gas candles	159	1700	1,2,3,6-Tetrahydropyridine	129	2410
Tear gas devices	159	1693	Tetrahydrothiophene	130	2412
Tear gas grenades	159	1700	Tetramethylammonium hydroxide	153	1835
Tear gas substance, liquid, n.o.s.	159	1693	Tetramethylammonium hydroxide, solid	153	3423
Tear gas substance, solid, n.o.s.	159	1693	Tetramethylammonium hydroxide, solution	153	1835
Tear gas substance, solid, n.o.s.	159	3448	Tetramethylsilane	130	2749
Tellurium compound, n.o.s.	151	3284	Tetranitromethane	143	1510
Tellurium hexafluoride	125	2195	Tetrapropyl orthotitanate	128	2413
Terpene hydrocarbons, n.o.s.	128	2319	Textile waste, wet	133	1857
Terpinolene	128	2541	Thallium chlorate	141	2573
Tetrabromoethane	159	2504	Thallium compound, n.o.s.	151	1707
1,1,2,2-Tetrachloroethane	151	1702	Thallium nitrate	141	2727
Tetrachloroethane	151	1702	4-Thiapentanal	152	2785
Tetrachloroethylene	160	1897	Thickened GD	153	2810
Tetraethyl	153	1704	Thioacetic acid	129	2436
dithiopyrophosphate	450	0000	Thiocarbamate pesticide, liquid, flammable,	131	2772
Tetraethylenepentamine	120	1202	poisonous	المربوتين	
1 1 1 2. Tetrafluoroathana	125	3150	Thiocarbamate pesticide, liquid, flammable, toxic	131	2772
Tetrafluoroethane and Ethylene oxide mixture,	126	3299	Thiocarbamate pesticide, liquid, poisonous	151	3006
with not more than 5.6% Ethylene oxide			Thiocarbamate pesticide, liquid, poisonous,	131	3005
retrafluoroethylene, stabilized	116P	1081	Thisseless at a set of the		0000
Tetrafluoromethane	126	1982	liquid, toxic	151	3006

Name of Material	Guide No.	ID No.	Name of Material	Guide No.	ID No
Thiocarbamate pesticide,	131	3005	2,4-Toluenediamine, solid	151	1709
Thiocarbamate pesticide,	151	2771	2,4-Toluenediamine, solution Toluene diisocyanate	151 156	3418 2078
Thiocarbamate pesticide, solid toxic	151	2771	Toluidines, liquid	153	1708
Thioglycol	153	2966	Toluidines, solid	153	3451
Thioglycolic acid	153	1940	2 A-Toluvlenediamine	151	1709
Thiolactic acid	153	2936	2.4-Toluylenediamine solid	151	1709
Thionyl chloride	137	1836	2.4-Toluylenediamine	151	3418
Thiophene	130	2414	solution	101	0410
Thiophosgene	157	2474	Toxic by inhalation liquid,	131	3492
Thiophosphoryl chloride	157	1837	(Inhalation Hazard Zone A)		
Thiourea dioxide	135	3341	Toxic by inhalation liquid,	131	3493
Tinctures, medicinal	127	1293	corrosive, flammable, n.o.s (Inhalation Hazard Zone B)		
Tin tetrachloride	137	1827	Toxic by inhalation liquid,	154	3389
Titanium disulfide	135	3174	corrosive, n.o.s. (Inhalation	1	
Titanium disulphide	135	3174	Toxic by inhalation liquid	154	3390
Titanium hydride	170	1871	corrosive, n.o.s. (Inhalation	1	0000
Titanium powder, dry	135	2546	Hazard Zone B)	4.7.4	0400
Titanium powder, wetted with not less than 25% water	170	1352	flammable, corrosive, n.o.s (Inhalation Hazard Zone A)	131	3488
Titanium sponge granules	170	2878	Toxic by inhalation liquid,	131	3489
Titanium sponge powders	170	2878	flammable, corrosive, n.o.s (Inhalation Hazard Zone B)		
Titanium tetrachloride	137	1838	Toxic by inhalation liquid.	131	3383
Titanium trichloride, pyrophoric	135	2441	flammable, n.o.s. (Inhalation Hazard Zone A)		
Titanium trichloride mixture	157	2869	Toxic by inhalation liquid,	131	3384
Titanium trichloride mixture, pyrophoric	135	2441	(Inhalation Hazard Zone B)		
TNT, wetted with not less than 10% water	113	3366	n.o.s. (Inhalation Hazard Zone A)	151	3381
TNT, wetted with not less than 30% water	113	1356	Toxic by inhalation liquid, n.o.s. (Inhalation Hazard	151	3382
Toluene	130	1294	Zone 8)		

3387 3388 3490 3491 3385 3386 3386	Toxic solid, self-heating, n.o.s. Toxic solid, water-reactive, n.o.s. Toxins Toxins, extracted from living sources, liquid, n.o.s. Toxins, extracted from living sources, solid, n.o.s. Toxins, extracted from living sources, solid, n.o.s. Triallylamine Triallyl borate Triazine pesticide, liquid, flammable, poisonous Triazine pesticide, liquid, flammable, toxic	136 139 153 153 153 153 132 156 131 131	3124 3125 3172 3172 3462 2610 2609 2764
3388 3490 3491 3385 3386 3289	Toxic solid, water-reactive, n.o.s. Toxins Toxins Toxins, extracted from living sources, liquid, n.o.s. Toxins, extracted from living sources, solid, n.o.s. Toxins, extracted from living sources, solid, n.o.s. Triallylamine Triallyl borate Triazine pesticide, liquid, flammable, poisonous Triazine pesticide, liquid, flammable, toxic	139 153 153 153 153 132 156 131 131	3125 3172 3172 3462 2610 2609 2764
3490 3491 3385 3386 3289	Toxins Toxins, extracted from living sources, liquid, n.o.s. Toxins, extracted from living sources, solid, n.o.s. Toxins, extracted from living sources, solid, n.o.s. Triallylamine Triallyl borate Triazine pesticide, liquid, flammable, poisonous Triazine pesticide, liquid, flammable, toxic	153 153 153 153 132 156 131 131	3172 3172 3462 2610 2609 2764
3490 3491 3385 3386 3289	Toxins, extracted from living sources, liquid, n.o.s. Toxins, extracted from living sources, solid, n.o.s. Toxins, extracted from living sources, solid, n.o.s. Triallylamine Triallyl borate Triazine pesticide, liquid, flammable, poisonous Triazine pesticide, liquid, flammable, toxic	153 153 153 132 156 131 131	3172 3172 3462 2610 2609 2764
3491 3385 3386 3289	Toxins, extracted from living sources, solid, n.o.s. Toxins, extracted from living sources, solid, n.o.s. Triallylamine Triallyl borate Triazine pesticide, liquid, flammable, poisonous Triazine pesticide, liquid, flammable, toxic	153 153 132 156 131 131	3172 3462 2610 2609 2764
3491 3385 3386 3289	Toxins, extracted from living sources, solid, n.o.s. Triallylamine Triallyl borate Triazine pesticide, liquid, flammable, poisonous Triazine pesticide, liquid, flammable, toxic Triazine pesticide, liquid,	153 132 156 131 131	3462 2610 2609 2764
3385 3386 3289	Triallylamine Triallyl borate Triazine pesticide, liquid, flammable, poisonous Triazine pesticide, liquid, flammable, toxic Triazine pesticide, liquid,	132 156 131 131	2610 2609 2764
3385 3386 3289	Triallyl borate Triazine pesticide, liquid, flammable, poisonous Triazine pesticide, liquid, flammable, toxic Triazine pesticide, liquid,	156 131 131	2609 2764
3386 3289	Triazine pesticide, liquid, flammable, poisonous Triazine pesticide, liquid, flammable, toxic Triazine pesticide, liquid,	131 131	2764
3386	Triazine pesticide, liquid, flammable, toxic Triazine pesticide, liquid,	131	0704
3289	Triazine pesticide, liquid,		2764
0007	poisonous	151	2998
2927	Triazine pesticide, liquid, poisonous, flammable	131	2997
2929	Triazine pesticide, liquid, toxi Triazine pesticide, liquid,	c 151 131	2998 2997
3287	toxic, flammable		
2810	Triazine pesticide, solid,	151	2763
3122	Tripzing posticido colid tovio	454	1762
3123	Tributylamine	151	2103
	Tributylahanahana	100	2042
3290	Trichloropostic anid	155	10204
2928	Trichloroacetic acid solution	153	1039
2020	Trichloroacetic acid, solution	155	2004
2930	Trichlorobenzenes, liquid	153	2321
3288	Trichlorobutene	152	2322
	1.1.1-Trichloroethane	160	2831
2811		160	1710
2	930 288 811	Trichloroacetyl chloride 930 Trichlorobenzenes, liquid 288 Trichlorobutene 811 1,1,1-Trichloroethane 086 Trichloroethylene	930Trichloroacetyl chloride1567richlorobenzenes, liquid153288Trichlorobutene1528111,1,1-Trichloroethane160086Trichloroethylene160

Name of Material	Suide No.	ID No.	Name of Material	Guide No.	ID No
Trichloroisocyanuric acid, dry	140	2468	Trimethyl phosphite	130	2329
Trichlorosilane	139	1295	Trinitrobenzene, wetted with	113	3367
Tricresyl phosphate	151	2574	not less than 10% water		
Triethylamine	132	1296	Trinitrobenzene, wetted with not less than 30% water	113	1354
Triethylenetetramine	153	2259	Trinitrobenzoic acid, wetted	113	3368
Triethyl phosphite	130	2323	with not less than 10% wate	r	
Trifluoroacetic acid	154	2699	Trinitrobenzoic acid, wetted	113	1355
Trifluoroacetyl chloride	125	3057	Trinitrochlorobenzene wetter	1 112	3365
Trifluorochloroethylene,	119P	1082	with not less than 10% wate	r	5505
1,1,1-Trifluoroethane	115	2035	Trinitrophenol, wetted with no less than 10% water	t 113	3364
Trifluoromethane	126	1984	Trinitrophenol, wetted with no	t 113	1344
Trifluoromethane, refrigerated	120	3136	less than 30% water		
liquid			Trinitrotoluene, wetted with	113	3366
Trifluoromethane and Chlorotrifluoromethane azeotropic mixture with	126	2599	Trinitrotoluene, wetted with not less than 30% water	113	1356
Chlorotrifluoromethane			Tripropylamine	132	2260
2-Trifluoromethylaniline	153	2942	Tripropylene	128	2057
3-Trifluoromethylaniline	153	2948	Tris-(1-aziridinyl)phosphine	152	2501
Triisobutylene	128	2324	Tungsten hevefluoride	125	2105
Triisopropyl borate	129	2616	Turpentine	128	1200
Trimethoxysilane	132	9269	Turpontino substituto	120	1200
Frimethylacetyl chloride	132	2438	Undocano	120	1300
Frimethylamine, anhydrous	118	1083	Uranium hovefluoride, redispetive	120	2530
Trimethylamine, aqueous solution	132	1297	material, excepted package less than 0.1 kg per package	100	5507
1,3,5-Trimethylbenzene	129	2325	non-fissile or fissile-excepted	let a tra	
Trimethyl borate	129	2416	Uranium hexafluoride, radioactive material, fissile	166	2977
Frimethylchlorosilane 👘 🔤	155	1298	Uranium hexafluoride.	166	2978
Frimethylcyclohexylamine	153	2326	radioactive material, non		
Frimethylhexamethylenediamines	153	2327	Urea hydrogen perovide	140	1511
Frimethylhexamethylene	156	2328	Urea nitrate watted with set	140	2970
diisocyanate			less than 10% water	113	5370

Name of Material	Guide No.	No.	Name of Material	Guide No.	ID No.
Urea nitrate, wetted with not less than 20% water	113	1357	Water-reactive liquid, corrosive, n.o.s.	138	3129
Valeraldehyde	129	2058	Water-reactive liquid, n.o.s.	138	3148
Valeryl chloride	132	2502	Water-reactive liquid,	139	3130
Vanadium compound, n.o.s.	151	3285	poisonous, n.o.s.	104442 - 3	
Vanadium oxytrichloride	137	2443	Water-reactive liquid, toxic, n.o.s.	139	3130
Vanadium pentoxide	151	2862	Water-reactive solid.	138	3131
Vanadium tetrachloride	137	2444	corrosive, n.o.s.		
Vanadium trichloride	157	2475	Water-reactive solid,	138	3132
Vanadyl sulfate	151	2931	Water reactive colld a c.e.	430	0040
Vanadyl sulphate	151	2931	Water-reactive solid, n.o.s.	130	2013
Vehicle, flammable gas	115	3166	oxidizing, n.o.s.	138	3133
Vehicle, flammable liquid	128	3166	Water-reactive solid, poisonous, n.o.s.	139	3134
Vehicle, fuel cell, flammable	115	3166	Water-reactive solid, self- heating, n.o.s.	138	3135
gas powered Vehicle, fuel cell, flammable	128	3166	Water-reactive solid, toxic, n.o.s.	139	3134
Vinyl acetate, stabilized	129P	1301	Wheelchair, electric, with batteries	154	3171
Vinyl bromide, stabilized	116P	1085	White asbestos	171	2590
/inyl butyrate, stabilized	129P	2838	White phosphorus, dry	136	1381
/inyl chloride, stabilized	116P	1086	White phosphorus, in solution	136	1381
/inyl chloroacetate	155	2589	White phosphorus, molten	136	2447
/inyl ethyl ether, stabilized	127P	1302	White phosphorus, under	136	1381
/inyl fluoride, stabilized	116P	1860	water	100000	
/inylidene chloride, stabilized	130P	1303	Wood preservatives, liquid	129	1306
/inyl isobutyl ether, stabilized	127P	1304	Wool waste, wet	133	1387
/inyl methyl ether, stabilized	116P	1087	Xanthates	135	3342
/inylpyridines, stabilized	131P	3073	Xenon	121	2036
/inyltoluenes, stabilized	130P	2618	Xenon, compressed	121	2036
/inyltrichlorosilane	155P	1305	Xenon, refrigerated liquid (cryogenic liquid)	120	2591
/inyltrichlorosilane, stabilized	155P	1305	Xylenes	130	1307
X	153	2810	Xvienois	152	2261

Name of Material 0	No.	ID No.	Name of Material	Guide No.	ID No
Xylenols, liquid	153	3430	Zinc peroxide	143	1516
Xylenols, solid	153	2261	Zinc phosphide	139	1714
Xylidines, liquid	153	1711	Zinc powder	138	1436
Xylidines, solid	153	1711	Zinc residue	138	1435
Xylidines, solid	153	3452	Zinc resinate	133	2714
Xylyl bromide	152	1701	Zinc silicofluoride	151	2855
Xylyl bromide, liquid	152	1701	Zinc skimmings	138	1435
Xylyl bromide, solid	152	3417	Zirconium, dry, coiled wire,	170	2858
Yellow phosphorus, dry	136	1381	finished metal sheets or strip		
Yellow phosphorus, in solution	136	1381	Zirconium, dry, finished	135	2009
Yellow phosphorus, under	136	1381	sheets, strips or coiled wire		
water		1540	Zirconium hydride	138	1437
Zinc ammonium nitrite	140	1512	Zirconium nitrate	140	2728
Zinc arsenate	151	1712	Zirconium picramate, wetted	113	1517
Zinc arsenate and Zinc arsenite mixture	151	1712	Zisconium nowdes dru	495	20.00
Zinc arsenite	151	1712	Zirconium powder, dry Zirconium powder, wetted with	135	1259
Zinc arsenite and Zinc	151	1712	not less than 25% water	170	1990
arsenate mixture			Zirconium scrap	135	1932
Zinc ashes	138	1435	Zirconium suspended in a	170	1308
Zinc bromate	140	2469	flammable liquid		
Zinc chlorate	140	1513	Zirconium suspended in a liquid (flammable)	170	1308
Zinc chloride, anhydrous	154	2331	Zirconium tetrachloride	137	2503
Zinc chloride, solution	154	1840			2000
Zinc cyanide	151	1713			
Zinc dithionite	171	1931			
Zinc dross	138	1435			
Zinc dust	138	1436			
Zinc fluorosilicate	151	2855			
Zinc hydrosulfite	171	1931			
Zinc hydrosulphite	171	1931			
Zinc nitrate	140	1514			
	440	1545			

Town of Burrillville Emergency Operations Plan Annex F, Appendix 2 HAZMAT Evacuation

FIRST RESPONDERS

Since the tragedy in Bhopal, India people in the United States and around the world have become more aware of the possibility of serious chemical accidents and the need for local communities to have in place an effective program to deal with chemicals that can cause death or serious injury if an accidental release occurs.

Major accidents involving releases of acutely toxic chemicals are infrequent; those that cause fatalities and serious injury to the general public are very infrequent. A community should not be unduly alarmed if it finds, within its boundaries, acutely toxic chemicals. Rather a community should view this information as a way to identify and rank potential risks and to review, improve, and build upon the existing emergency operation plan to address the potential risks in a way that is realistic and meaningful for the community.

A community should also prepare a Standing Operating Procedure for first responders to a hazardous material (hazmat) incident involving toxic chemicals. A HAZMAT incident can be defined as the uncontrolled release of hazardous materials that can cause casualties and damage to the environment. The first responders, those first on the scene, maybe fire fighting personnel, law enforcement officials, or emergency medical services. Those first responders should be aware of and have exercised an SOP consisting of safety rules essential for proper response in a serious chemical accident.

The first responder SOP should elaborate on these basic safety rules:

- 1. PROTECT YOURSELF Avoid contact with Hazardous Material.
- 2. Don't become a casualty and create a bigger problem. Resist the urge to rush in. If entry is required, make a safe up-wind approach and minimize exposure with proper protective gear. If you must enter the site, make your stay as short as possible and use the "buddy" system. <u>Remember safe action is more important than fast action in a hazardous materials incident</u>.
- 3. IDENTIFY THE HAZARD. Assume the material is hazardous! Properly identify the substances by finding shipping papers.
- 4. SECURE THE SCENE. For safety control the perimeter of the site. Control all entry. Enter only with proper gear and appropriate level of protection. Keep all non-essential personnel a safe distance from the site. Monitor entry of essential personnel.
- 5. OBTAIN ASSISTANCE. Call for help and further information. Contact Chemtrec (800-424-9300), DEM, USCG, Health, etc. Use U.S. DOT "Emergency Response Guidebook."

"HUMAN ERROR CAUSES MOST HAZMAT EMERGENCIES"

Human error rather than equipment failure causes most accidents and spills of hazardous materials. Federal and state data show that over 60 percent of all transport vehicle accidents and spills are caused by operators' mistakes.

Trucks carry over 60 percent of the 1.5 billion tons or more of the hazardous materials -- petroleum products, chemicals, and radioactive materials -- transported annually by air, water, rail, and highway in the United States. About one in ten trucks on the roadways, depending on geographic location, carries hazardous materials, making public exposure to an accidental release of a hazardous material much more likely from a truck than from a rail, barge, or air accident.

FEDERAL RECORD-KEEPING FAULTY

Federal records imply that hazardous materials accident rates are low. However, federal accident and spill record-keeping is so uncoordinated that many accidents are not recorded. Damages from hazardous materials transportation accidents appear to be at least ten times higher than the annual amount reported to Congress by the Department of Transportation.

In an effort to control what is perceived to be a substantial public risk, state and local jurisdictions have passed regulations requiring registration fees or permits or restricting routes or hours of travel. However, data and information about shipments are so poor and difficult to acquire that state and local regulations are often developed with little or no understanding of the magnitude or nature of the problems to be controlled. For example, gasoline is by far the most frequently transported hazardous material and accounts for more annual damages than all others combined. Yet states and localities are most likely to regulate shipments of hazardous wastes and highly radioactive materials, which together account for less than three percent of the total hazardous materials transported and are already heavily regulated by the federal government.

The resulting patchwork of regulations is confusing a burdensome for industry and enforcement officers alike. Improved coordination of data collection and technical assistance for jurisdictions facing routing decisions could begin to ease these problems.

CONTAINER STABILITY CRUCIAL

The Federal regulatory standards (Title 49 of the Code of Federal Regulations) for containers used to ship hazardous materials require that packaging must be adequate to prevent release of its contents during transportation. Spent nuclear fuel must be carried in containers that meet stringent federal standards set by the Nuclear Regulatory Commission (NRC). Even in severe accidents the standards for nuclear fuel containers provide a high degree of public protection -- much greater than afforded in any other current hazardous material shipping activity. However, the standards must be meticulously followed during cask manufacture and transportation to ensure public safety.

Accident data raise serious questions about the safety of two types of transport: How stable are the tank trucks used to transport gasoline? How safe are the truck chassis that carry the sturdy, versatile tanks that may be used for transport by ship, rail or truck? The Department of Transportation should scrutinize the standards for each of these with great care.

HAZMAT TRAINING URGED

Because the risk of hazardous materials accidents is widespread, public safety forces trained in basic hazardous materials response are needed in every community. However, emergency response to hazardous materials incidents is unlike traditional fire fighting in that response personnel must identify the specific chemical hazard before approaching an accident. Furthermore, labeling on vehicles carrying hazardous materials is frequently inaccurate, complicating the situation substantially.

The development of a national strategy to provide basic first response training to emergency response personnel represents the largest unmet need related to the transportation of hazardous materials. The federal role could include developing national guidelines for levels of training, ensuring adequate funding, and providing training information. A small federal funding program could supplement state, local, and private sector efforts, if all other financial and organizational resources are tightly managed.

Copies of the report, "Transportation of Hazardous Materials," are available to the public from the U.S. Government Printing Office (GPO), Superintendent of Documents, Washington, DC 20402.

APPENDIX 3

EMERGENCY MANAGEMENT AGENCY EOP

URBAN FIRE EVACUATION

Fires occur more frequently than any other type of disaster. The annual death toll in the United States from fires averages about 8,000, and the property loss is usually about 1/4 percent of the nation's gross national product. The significance of the fire hazard can be dramatically illustrated by the fact that three major fixtures of American society have essentially evolved in response to the fire hazard: the property insurance industry, building codes, and of course, the ubiquitous fire department. Evacuation normally is the primary procedure in the response phase of emergency management.

I. RESPONSE CHECKLIST

A. Notify the occupants of the building; notify the fire department. Notification of the occupants can occur via a fire alarm, if the building has such a system. The alarm should be tested to ensure that it could actually be heard throughout the building. The proper telephone number to use to contact the fire department should be posted throughout the building, along with a floor plan showing evacuation routes.

B. Use fire extinguisher if safe to do so. Do not box yourself in, with the fire between you and a means of escape.

C. Evacuate the building. An evacuation will proceed much more smoothly and rapidly if there have been at least annual fire drills. In a multi-story building, floor wardens (and alternates) should be appointed who will ensure that their areas have been evacuated. The responsibility of assisting the handicapped should be assigned. At home, a household should actually go through the motions of how each person will exit the dwelling. Whether at home or at work, an assembly point outside the building should be designated where a nose count or roll call can occur. Other safety factors include:

- 1. Use only stairs, not elevators, for a fire evacuation.
- 2. If there is a resistance to participating in fire drills by individuals at work who think they are too busy, the best solution is to ensure that the top person in the company or institution participates.

II. COORDINATION WITH FIRE DEPARTMENT

For larger facilities, response plans can be coordinated with the local fire department during site visits. When the fire department arrives on site where a company or institution has several buildings, will there be a knowledgeable person at the front gate to direct them to the scene of the

emergency? Does the fire department have on file a site plan indicating the location of fire hydrants and connection points for standpipes or sprinkler systems, water tanks, utility lines, stored chemicals, etc.?

III. HOW TO SURVIVE A HIGH-RISE FIRE

A. Know this list of important <u>DO's</u> and <u>DON'T's</u> by heart.

1. <u>DO's</u>

- a. If you reside in a high rise structure or when you check into a hotel or enter a meeting room, locate and make a "mental map" of the closest exit.
- b. If in a hotel room, put your room key in the same place whenever you return to your room. Check windows and vents in your room to see how they work.
- c. If there's a fire, feel the door with the palm of your hand before opening it. Head for the nearest exit if the hall is passable. Stay close to the floor if the smoke is heavy.
- d. Remain in your room if the exit path is blocked.
- e. Bail water on hot door and walls. Stuff wet towels and sheets in cracks around doors.
- f. Open windows and turn on vents.
- g. Tie a wet towel around nose and mouth.

2. <u>DON'T's</u>

- a. Don't take an elevator if there's a fire.
- b. Don't open your room door if it's very hot.
- c. Don't break a window if you can open it instead.
- d. Don't try to run through heavy smoke.
- e. Don't rely on the hotel desk or building superintendent to call the Fire Department.

APPENDIX 4

EMERGENCY MANAGEMENT AGENCY EOP

MOVEMENT TO SHELTER-NUCLEAR INCIDENT

I. PURPOSE

This Appendix provides information and procedures relating to a possible evacuation in the event of a threatened nuclear attack that would affect the State of Rhode Island. Evacuation operations would be undertaken to remove the population from areas considered more likely than others to be affected directly by blast overpressure, heat, or initial nuclear radiation, if there should ever be a large-scale nuclear attack.

II. SITUATION AND ASSUMPTIONS

A. Situation

- 1. A nuclear attack on the United States would most likely be preceded by a period of international tension and crisis. Sufficient time might be available for protective actions to be taken, including temporary relocation of residents of possible target areas to areas of lower risk.
- 2. The Burrillville portion of Rhode Island has been designated as a limited risk area for which population evacuation should be planned.
- 3. Certain vital facilities and activities must be continued in the evacuated high-hazard area to preserve the integrity of the Town of Burrillville, to assist in the provision of essential goods and services to the evacuated population and to continue industrial production important to national defense.

B. Assumptions

- 1. Evacuation of the population of the high-hazard areas will occur only at the direction of the Governor, most likely at the request of the President of the United States. Measures preparatory to such evacuation may be undertaken during a crisis at local option.
- 2. Evacuation of the high-hazard areas population will be directed by the Governor, not voluntary, and in general accordance with this plan.
- 3. Evacuation will be primarily in family groups using private vehicles over a period not to exceed three (3) days.

- 4. Residents not having automobiles available to them must be provided with other transportation to their destinations.
- 5. Some portion of the high-hazard areas population, estimated at ten percent (10%) or possibly more, can be expected to leave the area in advance of a directed evacuation. These spontaneous evacuees are expected to consist mainly of families whose members do not have public or emergency responsibilities and who have a vacation home or relatives in mind as a destination. The location, identification, and destination of this group will not be known.
- 6. Under certain circumstances, such as a protracted evacuation period, the Town, State or Federal government may request the resumption of certain critical production and service activities in the high-hazard areas in addition to the essential activities.
- 7. Return of the relocated population to their homes following evacuation will occur only at the direction of the Governor, most likely at the request of the President of the United States.

III. CONCEPT OF OPERATIONS

A. Time Phases of a Nuclear Attack Threat Evacuation

The time phases applicable to nuclear attack threat evacuation correspond to those recognized for any disaster. It may be helpful to identify them in somewhat different terms, as follows:

1.	predisaster	=	precrisis
2.	preimpact	=	escalating international crisis
3.	impact	=	movement
4.	emergency	=	sustaining
5.	recovery	=	return

The precrisis period is normal readiness during peacetime. The crisis phase includes increased readiness and mobilization of emergency services to prepare for movement, if and when ordered by the Governor. The movement phase begins when the Governor of Rhode Island directs evacuation of nuclear attack high-hazard areas. The sustaining period begins with arrival of evacuees in the reception areas and principally involves support and care of evacuees and the indigenous population as described in the Shelter Annex. The sustaining period also includes maintenance and support of critical production and service activities by essential personnel commuting to and from the high-hazard area, as provided in this appendix. The return period begins when ordered by the Governor of Rhode Island and covers the time necessary to safely move the population back to their homes.

Evacuation would not be implemented unless there was a threat of nuclear attack of unprecedented seriousness. It should be understood that nuclear attack could occur at any time during the crisis, movement, or sustaining phases. Since there is no assurance that evacuation would be directed, readiness to implement the Town's In-place Protective Shelter Plans must be emphasized during the crisis period. If attack warning is received, everyone must take shelter in the best available nearby facilities. While the development and use of protective shelters is not covered in this annex, evacuation planning must not lose sight of the fact that, fundamentally, evacuation in response to the nuclear attack threat is movement to SHELTER; it is movement to a place where shelter is likely to provide a more realistic prospect of survival.

To summarize, the planning process that has resulted in this appendix has focused on the movement of people out of and back to the nuclear attack high-hazard areas (see Tab 1,2,3,4,5) and includes commuting of key workers to carry on essential operations in the high-hazard areas during the sustaining phase evacuation. The Reception and Care function is also covered in the Shelter Annex.

B. Overall Concept of Nuclear Attack Evacuation Operations

- 1. The most recent U.S. census population of the Town of Burrillville is 15,955 based on the census of 2000 100% of whom reside in the census tract designated as being subject to limited nuclear attack risk.
- 2. Approximately 30 percent (30%) of the Town of Burrillville limited-hazard area population are employees or dependents of employees of the key organizations mentioned in Paragraph II-A3 above. Every effort will be made to encourage these businesses and agencies to relocate organizationally to reception areas reserved for them. In many cases, this is necessary so that the organizational relocation is an effective way to use the existing framework of the community to respond to the demands of a major crisis. It attempts to hold together units that have significant problem solving abilities and preserves the identity of valuable community resources.

C. Direction and Control

In a national security emergency that requires evacuation of nuclear attack high-hazard areas, all levels of the emergency management organization are fully mobilized and activated. Direct lines of authority exist from the Governor of Rhode Island to the Rhode Island Defense Civil Preparedness Advisory Council and through the Director of the Rhode Island Emergency Management Agency to the staff of the Emergency Management Agency who coordinate with other State agencies and local governments. The Town Manager has the authority to direct the populace of the Town in the chain of command. The control structure noted in the Basic Plan and this Annex apply to this Appendix.

D. Continuity of Government

When it becomes necessary to evacuate the State of Rhode Island's nuclear attack high-hazard areas, the government agencies of Burrillville will move their bases of operation and continue performing duties assigned under this plan. Continuity of control will be maintained by verifying that an adequate Direction and Control operation is active at the alternate PC&CC and by transferring authority before closing down the principal PC&CC. The heads of key emergency service agencies will maintain contact via mobile radio units while in transit to the PC&CC.

- E. Communications: See Annex A.
- F. Alerting and Warning: See Annex B.
- G. Reception and Care: See Annex E.
- H. Resource Management: See Annex H.
- I. Public Information: See Annex C.
- J. Health and Medical: See Annex I.

IV. ORGANIZATION AND ASSIGNMENT OF RESPONSIBILITIES

In a national security emergency involving a threat of nuclear attack, the total emergency management organization at the State and local levels will be activated. Evacuation plans and procedures will be reviewed and improved to the extent possible in the time available. Responsibilities are generally the same as those shown in the Evacuation Annex. Chiefs of agencies and organizations are responsible for reviewing their procedures, for verifying that resources identified are available and in satisfactory condition, and for ensuring that all personnel--including any recently hired--are familiar with their duties in a large-scale evacuation.

Each organization listed as a vital facility or activity is expected to have a plan to relocate as a group to the reception area specified. Larger organizations and those with special needs--such as responsibility for institutionalized persons--have been assigned to specific facilities in reception areas. Chiefs of organizations are responsible for coordinating with the managers of the facilities to which they are assigned.

V. ADMINISTRATION AND LOGISTICS

The administrative and logistical problems associated with evacuation of the nuclear-attack high-hazard areas are covered in the Resource Management annex. These problems are extremely complex and in many cases, are multi-jurisdictional in nature. Mobilization of private-sector resources and capabilities is fully covered in the Resource Management annex.

VI. TABS

- A. Nuclear Attack High Risk Areas
- **B.** Host Areas
- **C. Evacuation Routes for Nuclear Attack**
- **D.** Nuclear Evacuation Routes
- E. Traffic Flow Map

Town of Burrillville Emergency Operations Plan Annex F, Appendix 4 Nuclear Evacuation



Town of Burrillville Emergency Operations Plan Annex F, Appendix 4 Nuclear Evacuation

> Town of Burrillville Emergency Operations Plan Annex F, Appendix 4, Tab 2 Nuclear Attack Host Areas

NUCLEAR ATTACK HOST AREAS

The following jurisdictions of the State of Rhode Island, or portions thereof, are considered to be entirely or predominantly, low risk areas (1 PSI or below) to which people could be moved in the event of a nuclear attack on the high risk areas in the State of Rhode Island. These potential host jurisdictions will monitor shelter occupancy and provide updated status reports to the Rhode Island Emergency Management Agency EOC, during periods of emergency. The RIEMA EOC will be prepared to advise local directors of shelter space availability throughout the state. Advice on emergency evacuation routes will be provided by the RIEMA's EOC. The Host Areas, as stated in the RIMEA Population and Facility Allocation Plan are the following listed communities:

Barrington (portions of) Burrillville Charlestown Coventry Cumberland (portions of) Exeter Foster Glocester Hopkinton Little Compton Narragansett (portions of) New Shoreham North Smithfield Richmond Scituate Smithfield (portions of) South Kingstown Westerly West Greenwich West Warwick Woonsocket

F-4-2-1

APPENDIX 5

EMERGENCY MANAGEMENT AGENCY EOP

EVACUATION PLANNING CHECKLIST

I. OBJECTIVES

To provide for the orderly and expeditious evacuation of all, or any part, of the population if it is determined that such action is the most effective means available for protecting the population from the effects of any hazard.

II. PLANNING PARTICIPANTS

- ___ Emergency Management Staff
 - * Transportation Coordinator
 - ____ Resource Manager
- * Law Enforcement
 - * Town of Burrillville Police
 - * Rhode Island State Police
- * Fire Services
- * Department of Public Works
- * Town Highway Department
- * School Department Representation
- ____ Emergency Communications Coordinator (ECC)
- ____ Special Needs Groups including hearing impaired
- ____ Industry and Business Representatives
 - Social Services Representative

{* Key Participants}

III. ASSIGN RESPONSIBILITY FOR:

- ____ Making evacuation decision recommendations
 - Floods
 - _____ Fires
 - ____ Hazardous materials spills/accidents
 - ____ Chemical
 - ____ Radiological
 - ____ Nuclear crisis (risk area)
- ____ Designating reception area
- ____ Designating evacuation routes
- #___ Controlling movement
- #____ coordinating public transportation
- #____ obtaining transportation resources
- #____ Security of evacuated areas
- #____ maintaining and updating this Annex to the Plan

IV. OUTLINE POLICIES/AUTHORITIES FOR:

- _____ Authority to order an evacuation
- #____ Use of transportation resources
 - Private vehicles
 - Public vehicles

Limiting access to evacuated areas

#____ Dealing with disabled vehicles; looting

Town of Burrillville Emergency Operations Plan Annex F, Appendix 5 Evacuation Checklist

- ____ Fuel Allocation
- ____ Transportation or care of pets

V. DEFINE EXISTING CAPABILITIES FOR:

- ____ Advising the public to evacuate
- #____ providing public transportation
- #____ coordinating and controlling traffic movement
- #____ Manpower
 - _ Barricades; Directional signs
- #____ Security of public documents and public facilities

VI. SPECIFY RESPONSE ACTIONS OR OPERATIONAL CONCEPTS FOR:

- ____ Defining the area to be evacuated
- #____ identifying the number of people to be evacuated
- #____ designating evacuation routes
- #_____ formulating evacuation information for the public
 - ____ Pre-evacuation warning

 - ____ Routing information
 - ____ Reception information
- ____ Defining the evacuation area so the public can understand boundaries
- #_____ evacuating special needs groups
 - Patients
 - ____ Population with language barriers

Handicapped; Elderly

- _ Persons without access to vehicles
- Prisoners
- ____ Controlling movement from evacuation areas
 - _____ Traffic control points
 - _____ Use of barricades
- #____ clearing disabled vehicles from evacuation route
- #_____ identifying public transportation needs
- #____ Designating public transportation assembly areas or pick-up points
- ____ Identifying essential industries and services that require continuous operation
- #____ Relocation of essential resources
 - Personnel
 - _ Supplies; Equipment
- ____ Coordinating evacuation with reception jurisdictions (if applicable)
- ____ Insuring reception facilities are available
- #____ Security of the evacuated area
 - ____ Fire watch
 - ____ Limiting access
- #_____ designating rest or refueling areas on evacuation routes
- #_____ establishing alternate location for Town of Burrillville emergency government operations
- #_____ safeguarding essential records for continuing government functions protecting the rights of individuals
- #_____ determining when it is safe for the public to return to evacuated area

- #____ Utilities
 - _ Structural safety (habitability)
- ____ Providing traffic control for return of population
- #____ Movement of essential workers from reception area to risk area
- ____ Providing public education about evacuation procedures
- ____ Discouraging residential development in hazard areas
- ____ Exercising evacuation procedures

VII. SUGGESTED SUPPORTING PROCEDURES

- ____ Traffic Control
- ____ Providing public transportation
- ____ Health care evacuation
 - Patients
 - ____ Nursing homes

VIII. RECOMMENDED WRITTEN AGREEMENTS

- ____ Road service agreements with garages, tow services, and fuel distribution sources
- ____ Agreements with owners of transportation resources (bus companies, school dept...)

IX. SUGGESTED ATTACHMENTS

- List of transportation resources
- Maps of potential hazard areas (flood prone areas, dam locations, etc.)
- ____ Maps of potential evacuation routes
 - _____ Traffic control points

{# - <u>In FEMA Review Criteria</u>}

X. REFERENCES

A. CPG 1-6 Disaster Operations

B. CPG 1-8 Guide for Development of State and Local Emergency Operations Plans (Sept. 1990)

C. CPG 2-15 Transportation Planning Guidelines For The Evacuation Of Large Populations (September 1984)

D. Attack Environment Manual, Chapter 9: Application To Emergency Operations Planning

E. NAPB Nuclear Attack Planning Base.

APPENDIX 6

EMERGENCY MANAGEMENT AGENCY EOP

FLOOD EVACUATION

I. PURPOSE

To identify actions required to evacuate the population and protect facilities threatened by flood.

II. SITUATION

A. Principal Flood Problems

- 1. Flooding within Burrillville has been limited in the past. The most serious flooding problems have occurred where subdivisions have encroached upon flood plains and wetland areas.
- 2. Potential Flood Locations. A major area of concern is the downtown Pascoag neighborhood, specifically South Main St., Pascoag Main St., High St., Sayles Ave., Bridgeway, and Grove St.

B. Flood Protection Measures

III. RESPONSIBILITIES

A. The National Weather Service is responsible for notifying and advising Town government when conditions exist that could cause flooding.

B. Town government responsibilities are as defined elsewhere in this Plan for all hazards. In addition, the Emergency Manager/Civil Defense Director is responsible for monitoring high water conditions and for coordinating warning systems. The Town Public Works Director is primarily responsible for making recommendations on which roads are suitable for evacuation.

C. The Burrillville Chief of Police is responsible for supporting dissemination of warning concerning emergencies to all affected.

D. The State Emergency Management Agency has responsibility for keeping local government, through the local Emergency Management Agency, appraised of river conditions that could result in flooding. In this respect the State Emergency Management Agency augments and backs up the actions of the National Weather Service.

IV. CONCEPT OF OPERATIONS

Most operations would be conducted as defined elsewhere throughout this Plan. This appendix will address only those unique aspects of evacuation under threat of flood.

A. Notification of Threat

- 1. General flooding: The potential for flooding will be closely monitored by the National Weather Service and State Emergency Management Agency as well as other state agencies. Advisories will be passed by these agencies to the Town Emergency Management Director. Local monitoring of river and stream conditions will augment such information.
- 2. Flash flood: Notification of the potential for flash flooding will be received from the National Weather Service in the form of flash flood watches or warnings.

B. Increased Readiness Measures

- 1. On receipt of a flood watch, the Burrillville Emergency Management Director will insure that flood-monitoring procedures are implemented.
- 2. On receipt of a flood warning or notification of a potential or actual emergency, the Chief of Police will alert and advise the Town Manager, those on the Burrillville Emergency Notification List, citizens at risk, and key facilities.
- 3. Preparations will be carried out for the movement of people and critical equipment from the affected areas. The Burrillville Emergency Management Director will notify all support agencies and organizations.

C. Federal Emergency Management Agency (FEMA) 100 year flood plan

For an appreciation of the history of flooding in the Town of Burrillville, see the separately promulgated FEMA Flood Insurance Study.

D. Evacuation Decisions

The decision to evacuate any flood or inundation area will be made by the executives of affected jurisdictions based on recommendations of which roads to use from the Public Works Director. In the event of immediate danger, on-scene command authorities may make evacuation decisions.

E. Movement and Control of Evacuees

Control and movement of evacuees will be as defined in Annex F, Evacuation.

F. Reception and Care

The reception, lodging, and feeding of evacuees will be defined in Annex E - Shelter, Reception and lodging facilities will be located outside of any potential inundation area. (See Appendix A1, page 1-2).

Appendix 7 Emergency Management Agency EOP Evacuation routes

1. SITUATION AND ASSUMPTIONS

It is generally recognized that the general population will evacuate on their own when advised of the need to do so. This is especially true when the incident is weather related and there is sufficient time to prepare to leave.

For sudden emergencies such as hazardous material incidents, there may be an immediate order to evacuate with no time to plan. The public will be alerted via several means already mentioned in this document.

It is not possible to define evacuation routes other than identifying roads likely to be utilized. The routes to be used will be determined after considering factors such as the location and type of incident, time of day, weather conditions, distance needed to evacuate (determined by the substance involved), traffic conditions etc. Officials will need to immediately determine the safest routes to exit the area or determine that the public is actually better off sheltering in place. Again, in place sheltering is determined by the type of substance involved, how quickly it moves, liquid or gas, heavier or lighter than air etc.

The following roads in the Town of Burrillville provide the quickest and safest options to vacate the area:

- 2. South Main St. (Rte. 100 south)
- 3. Wallum Lake Rd. (Rte. 100 north)
- 4. Route 102 (north or south)
- 5. East Ave. (Rte. 107) west to Rte. 100 south
- 6. Round Top Rd. (Rte. 96) north
- 7. Steere Farm Rd. (Rte. 98) to Rte. 100 south
- 8. Sherman Farm Rd. (Rte.98) north
- 9. Douglas Pike (Rte. 7) north or south

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2 Special Needs Populations

- a. Special needs populations in Burrillville have been identified and those individuals may require assistance regarding transportation. BEMA has at all times current lists and contact data for any individual has registered with the Rhode Island Special Needs Emergency Network (RISNER).
- b. The Burrillville Police Department, all town fire departments and public works personnel may be needed to transport those with special needs to a pre-determined rally point where BEMA personnel will either shelter or bus these individuals to a safe zone.
- c. Existing agreements with Dattco Bus Co. will, if needed, be utilized for transporting special needs citizens to shelters.
- d. Agreements with the Burrillville School Department and the Jesse Smith Library will be activated should sheltering be required.
- e. The Pascoag Fire Department has an evacuation plan that greatly assists moving not only the general population but those with special needs as well by utilizing fire apparatus to close roads at the perimeter of an incident thus restricting access to hazardous areas. By doing so, motorists will be directed toward evacuation routes and away from unsafe areas.

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Appendix 8 Emergency Management Agency EOP Scenarios / Response

- 1. The following scenarios are being utilized to show certain common elements that are hazardous in their natural form or elements that could become hazardous when exposed to the atmosphere, heat, sunlight, temperature etc. A release of these elements may trigger the need for an evacuation of a portion of the population.
- 2. There are circumstances when a shelter in place order may be given rather than evacuation order. This scenario results when a vapor cloud moves to fast and settles in areas where the population being moved will be adversely affected.
- **3.** Methods of communicating evacuation orders will include the media, social media, code red messaging etc. When conditions are safe for residents to return, the same methods of communicating to the public will be utilized.
- 4. It is understood that all Burrillville Public Safety Departments will be involved in either suppression activities, security duties, traffic control, perimeter control as well as road closure barrel placement with signs, sheltering, transportation etc.
- 5. The Incident Command System will be utilized at all times. Certain positions within the system will be needed including an incident commander, public information officer, safety officer as well as the operational chief and positions deemed necessary by operations or incident command.

NATURAL GAS EMERGENCIES

Natural gas facts:

- Natural gas is lighter than air and tends to rise when released.
- Natural gas vapors will quickly flash back to their source when ignited
- Underground natural gas leaks will follow the path of least resistance. Soil that has been disturbed by excavation will allow for easier passage of natural gas. In addition, certain soils may cause the odorants to be "scrubbed" from the natural gas, thereby eliminating the odorant smell.
- A combustible gas indicator (CGI) or flammable gas detector will be required to determine the concentration of natural gas vapors present. Do not depend upon "smelling gas" to determine if it is present.
- Included in the initial response to these emergencies will be police and fire agencies as well as personnel from the gas company with jurisdictional responsibility. A list of emergency contacts is current and available at the communications center.
- The Emergency Response Guidebook for all first responders published by the US Department of Transportation indicates that guide #115 should be utilized for the initial phase of an emergency involving natural gas.




EXAMPLE OF A CODE RED MESSAGE

THIS IS AN EMERGENCY MESSAGE FROM THE TOWN OF BURRILLVILLE. THERE HAS BEEN A NATURAL GAS LEAK DISCOVERED IN THE AREA OF ______. PUBLIC SAFETY OFFICIALS ARE ON SCENE WORKING TO CORRECT THE PROBLEM AND AS A PRECAUTION FOR PUBLIC SAFETY ARE REQUESTING ANYONE WITHIN ½ MILE OF THE INCIDENT TO EVACUATE. CITIZENS SHOULD USE _____

AS ROUTES TO LEAVE THE AREA. ANYONE IN RECEIPT OF THIS MESSAGE IS WITHIN THE HALF MILE RADIUS OF THE INCIDENT AND ARE URGED TO COMPLY WITH THIS REQUEST. CONSIDER LOCATING TO FRIENDS AND OR FAMILY RESIDENCES OUTSIDE THE ½ MILE RADIUS. CITIZENS ARE URGED TO CONSULT THE WEB SITES OF THE TOWN OF BURRILLVILLE, THE BURRILLVILLE POLICE DEPARTMENT OR THE BURRILLVILLE EMERGENCY MANAGEMENT AGENCY FOR UPDATES ON THE SITUATION AND FOR MESSAGES INDICATING IT IS SAFE TO RETURN.

REPEATING, THIS A REQUEST FOR AN EVACUATION. AN ORDER TO EVACUATE COULD FOLLOW IF NEEDED BASED ON CIRCUMSTANCES. A STEADY, ORDERLY AND SAFE PROCESS FOR VACATING THE AREA FOR A SHORT TIME IS IN THE INTEREST OF PUBLIC SAFETY. IF THERE ARE CITIZENS WITHOUT THE ABILITY TO EVACUATE FOR WHATEVER REASON, CONTACT BURRILLVILLE POLICE (401-568-6255) OR EMERGENCY MANAGEMENT (401-641-0898) FOR ARRANGEMENTS. Town of Burrillville Emergency Operations Plan Annex F, Appendix 6 Flood Evacuation

PROPANE GAS EMERGENCIES

Propane facts

- Propane is denser than air and will accumulate in low places close to the ground.
- Will be easily ignited by any heat source
- Product is widely used for heating, and cooking for both household and commercial applications.
- Containers may explode when heated.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices.
- Ruptured cylinders may rocket.
- Vapors may cause dizziness or asphyxiation without warning. Contact with the gas and/or liquefied gas may cause burns or frostbite.

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EXAMPLE OF A CODE RED MESSAGE

THIS IS AN EMERGENCY MESSAGE FROM THE TOWN OF BURRILLVILLE. THERE HAS BEEN A TRAFFIC ACCIDENT INVOLVING A TANKER TRUCK CARRYING LIQUIFIED PROPANE IN THE AREA OF . PUBLIC SAFETY OFFICIALS ARE ON SCENE WORKING TO CORRECT THE PROBLEM AND AS A PRECAUTION FOR PUBLIC SAFETY ARE REOUESTING ANYONE DOWNWIND UP TO 1/2 MILE OF THE INCIDENT TO EVACUATE. CITIZENS SHOULD USE AS ROUTES TO LEAVE THE AREA. ANYONE IN RECEIPT OF THIS MESSAGE IS WITHIN THE HALF MILE DOWNWIND RADIUS OF THE INCIDENT AND ARE URGED TO COMPLY WITH THIS REQUEST. CONSIDER LOCATING TO FRIENDS AND OR FAMILY RESIDENCES OUTSIDE THE ¹/₂ MILE RADIUS. CITIZENS ARE URGED TO CONSULT THE WEB SITES OF THE TOWN OF BURRILLVILLE, THE BURRILLVILLE POLICE DEPARTMENT OR THE BURRILLVILLE EMERGENCY MANAGEMENT AGENCY FOR UPDATES ON THE SITUATION AND FOR MESSAGES INDICATING IT IS SAFE TO **RETURN**.

REPEATING, THIS A REQUEST FOR AN EVACUATION. AN ORDER TO EVACUATE COULD FOLLOW IF NEEDED BASED ON CIRCUMSTANCES. A STEADY, ORDERLY AND SAFE PROCESS FOR VACATING THE AREA FOR A SHORT TIME IS IN THE INTEREST OF PUBLIC SAFETY. IF THERE ARE CITIZENS WITHOUT THE ABILITY TO EVACUATE FOR WHATEVER REASON, CONTACT BURRILLVILLE POLICE (401-568-6255) OR EMERGENCY MANAGEMENT (401-641-0898) FOR ARRANGEMENTS.

Propane gas emergencies involving fire

EXAMPLE OF A CODE RED MESSAGE

THIS IS AN EMERGENCY MESSAGE FROM THE TOWN OF BURRILLVILLE. THERE HAS BEEN A TRAFFIC ACCIDENT WITH FIRE INVOLVING A TANKER TRUCK CARRYING LIQUIFIED PROPANE IN THE AREA OF . PUBLIC SAFETY OFFICIALS ARE ON SCENE WORKING TO CORRECT THE PROBLEM AND FOR PUBLIC SAFETY ARE REQUESTING ANYONE WITHIN 1 MILE OF THE INCIDENT TO EVACUATE. CITIZENS SHOULD USE AS ROUTES TO LEAVE THE AREA. ANYONE IN RECEIPT OF THIS MESSAGE IS WITHIN THE 1 MILE RADIUS OF THE INCIDENT AND ARE URGED TO COMPLY WITH THIS REQUEST. CONSIDER LOCATING TO FRIENDS AND OR FAMILY RESIDENCES OUTSIDE THE 1/2 MILE RADIUS. CITIZENS ARE URGED TO CONSULT THE WEB SITES OF THE TOWN OF BURRILLVILLE. THE BURRILLVILLE POLICE DEPARTMENT OR THE BURRILLVILLE EMERGENCY MANAGEMENT AGENCY FOR UPDATES ON THE SITUATION AND FOR MESSAGES INDICATING IT IS SAFE TO RETURN. REPEATING, THIS A REQUEST FOR AN EVACUATION. AN ORDER TO EVACUATE COULD FOLLOW IF NEEDED BASED ON CIRCUMSTANCES. A STEADY, ORDERLY AND SAFE PROCESS FOR VACATING THE AREA FOR A SHORT TIME IS IN THE INTEREST OF PUBLIC SAFETY. IF THERE ARE CITIZENS WITHOUT THE ABILITY TO EVACUATE FOR WHATEVER REASON, CONTACT BURRILLVILLE POLICE (401-568-6255) OR EMERGENCY MANAGEMENT (401-641-0898) FOR ARRANGEMENTS.

APPENDIX 9 EMERGENCY MANAGEMENT AGENCY EOP COMMUNICATIONS PLAN PUBLIC NOTIFICATION

I Purpose

This section is written to outline the means of communicating evacuation messages to the general public. In order to safeguard the safety of residents during events when evacuations are needed, messages must be conveyed in a timely manner utilizing all methods available. Depending on the seriousness of the issue, a door-to-door notification will be made by public safety officials.

Certain events may require a shelter-in-place order be transmitted. These types of incidents occur and could easily worsen in a short period of time. Moving people into this type of atmosphere creates a greater risk for citizens and first responders alike. This is especially true when special populations are located in a hazardous zone. Examples include elderly housing complexes, nursing homes, hospitals and other locations that have similar special needs residents.

In order to receive information during emergency situations, the community needs to be made aware of the code red reverse 911 system and the proper means of signing for this program. This system provides one of the quickest methods of disseminating information and instructions at the time of the incident. The Burrillville Emergency Management Agency provides instructions for code red activation as well as safety messages to the public via social media specifically a "facebook" page and/or "Twitter" on a regular basis or as a need arises. The Town of Burrillville web page has the proper and user friendly link for anyone wishing to sign-up for code red notifications.

II Operation Methods

This section lists the specific methods that can be utilized for public notifications when necessary:

- 1. <u>Code Red</u> This reverse 911 system is utilized in Burrillville and many other communities and is available to all residents and visitors. The Burrillville town web site has the link to activate the system.
- 2. <u>RI Broadcasters</u> This program enables officials to notify all media outlets of any type of pertinent events from school closings to emergency evacuation orders. Emergency communications personnel have the confidential access codes and can disseminate data without delay 24/7/365.
- 3. <u>Emergency Alert System (EAS)</u> This national system can be utilized by state and local authorities to transmit emergency messages utilizing all electronic media. This system is designed to be used for major events and is accessed via the RI Emergency Management Agency (RIEMA).
- 4. <u>Web sites</u> The Town of Burrillville will post messages on the town web page. The Burrillville Police and Emergency Management Agency will also post to their respective facebook pages.
- 5. <u>Police vehicle method</u> When necessary, Burrillville Police Department vehicles will respond and utilize the public address feature of their cruisers or move door-to-door to broadcast messages.

There are other agencies in Burrillville that utilize the code red messaging system including the Harrisville Fire District water Department and the Pascoag Utility District. The Burrillville School Department utilizes a different program, Schools Messenger to reach parents and/or guardians of children enrolled in the town school system. In order to prevent duplication of information, any data these agencies may have that is pertinent to the given situation should be forwarded to The Burrillville Police Department who will be issuing the code red alert. Following this practice will prevent information overload and the duplication of messages. This practice will enhance the ability of officials to manage an incident and will also ensure that any and all agencies with jurisdictional responsibility will be able to get their information out to the public.

The immediate goal of the evacuation order is to move people from the hazard zone. These zones are based on the type of incident and in the case of a hazardous material episode, the type of product involved, weather conditions, time of day and other factors. As previously noted, all public safety vehicles in Burrillville carry current up-to-date hazardous material guidebooks which will enable first responders to quickly identify a hazard and also to identify the evacuation distances if applicable. Residents will be advised to stay with family and friends away from the immediate area until the situation is corrected and officials determine the area in question is safe for residents to return.

Should residents be unable to evacuate for any reason, a temporary shelter will be activated by the Burrillville Emergency Management Agency.

III Emergency Contacts

Should a situation requiring evacuation be a large event such as a flood, hurricane or other weather issue, public safety and government officials may need to activate the Burrillville Emergency Operations Center (EOC) located at the Wallace Lees Public Safety Complex. All operational duties will be directed from this facility. Officials will remain in constant contact with responders in the field and will need to update agencies with jurisdictional responsibilities. All logistic work, requests for resources, notifications and media reports will also originate from this location. A list of agencies and contact information that may be needed to assist officials in Burrillville (some numbers are confidential) are readily available at the Emergency Operations Center and are also available at the Emergency Communications Division of the Burrillville Police Department.

The Burrillville Police Communications Division is responsible for dispatching police, fire and EMS units and also to coordinate responses from other agencies such as the Department of Public Works. If assistance is needed from state agencies the Burrillville Emergency Management Agency will secure resources via a state computer network that is manned 24/7. Resources could be food for shelters, personnel to secure evacuation routes, medical assistance etc.

IV Quick Reference guide for citizens

The following is a guide contains non-confidential information for residents

CODE RED MESSAGING

www.burrillville.org

Sign up to receive code red messages, the most effective means of being notified of emergency situations, instructions, evacuation routes, sheltering etc.

Burrillville Police Dept.	56	8-6255	www.burrillville.org/police
Burrillville Public Works	56	8-4440	www.burrillville.org
RI Highway Dept.	56	8-4322	www.dot.ri.gov
Burrillville School Dept.	56	8-1301	www.bsd-ri.net
Burrillville Animal Contro	56	58-9480	www.burrillville.org
Burrillville Emergency Ma	gmt. 64	1-0898	www.burrillville.org
Burrillville Waste Water	56	8-6296	www.burrillville.org
Algonquin Gas	56	8-6300	www.spectraenergy.com
Ocean State Power	56	8-9550	www.transcanada.org
American Red Cross	83	81-7700	www.redcross.org
Pascoag Utility District	56	8-6222	www.pud-ri.gov
National Grid 1-	800-46	5-1212	www.nationalgrid.com
Harrisville Fire District	56	8-2224	www.harrisvilleri.org
Pascoag Fire District	56	8-4920	www.pascoagfire.org
Nasonville Fire	56	8-5020	www.firedepartment.net
OMFD	56	8-5720	www.oaklandmaplevillefd.com
RI Emergency Mgmt. Agency 946-9996 www.riema.ri.gov			
FEMA 1	-202-64	46-2500	www.ready.gov
Poison Control 1	-800-6	82-9211	

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