GUIDE GASES - TOXIC AND/OR CORROSIVE -124 OXIDIZING

POTENTIAL HAZARDS

HEALTH

- TOXIC; may be fatal if inhaled or absorbed through skin.
- · Fire will produce irritating, corrosive and/or toxic gases.
- · Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- · Runoff from fire control or dilution water may cause environmental contamination.

FIRE OR EXPLOSION

- Substance does not burn but will support combustion.
- · Vapors from liquefied gas are initially heavier than air and spread along ground.
- · These are strong oxidizers and will react vigorously or explosively with many materials including fuels.
- May ignite combustibles (wood, paper, oil, clothing, etc.).
- Some will react violently with air, moist air and/or water.
- · Cylinders exposed to fire may vent and release toxic and/or corrosive gas through pressure relief devices.
- · Containers may explode when heated.
- · Ruptured cylinders may rocket.

PUBLIC SAFETY

- CALL 911. Then call emergency response telephone number on shipping paper. If shipping paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Many gases are heavier than air and will spread along the ground and collect in low or confined areas (sewers, basements, tanks, etc.).
- Ventilate closed spaces before entering, but only if properly trained and equipped.

PROTECTIVE CLOTHING

- · Wear positive pressure self-contained breathing apparatus (SCBA).
- Wear chemical protective clothing that is specifically recommended by the manufacturer when there is NO RISK OF FIRE.
- · Structural firefighters' protective clothing provides thermal protection but only limited chemical protection.

EVACUATION

Immediate precautionary measure

• Isolate spill or leak area for at least 100 meters (330 feet) in all directions.

· See Table 1 - Initial Isolation and Protective Action Distances.

Fire

If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.



In Canada, an Emergency Response Assistance Plan (ERAP) may be required for this product. Please consult the shipping paper and/or the ERAP Program Section (page 390).

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Spill

EMERGENCY RESPONSE

FIRE

Small Fire

CAUTION: These materials do not burn but will support combustion. Some will react violently with water.

- · Contain fire and let burn. If fire must be fought, water spray or fog is recommended.
- Water only; no dry chemical, CO₂ or Halon[®].
- · Do not get water inside containers.
- If it can be done safely, move undamaged containers away from the area around the fire.
- · Damaged cylinders should be handled only by specialists.

Fire Involving Tanks

- · Fight fire from maximum distance or use unmanned master stream devices or monitor nozzles.
- · Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- · Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- · ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned master stream devices or monitor nozzles; if this is impossible, withdraw
 from area and let fire burn.

SPILL OR LEAK

- Do not touch or walk through spilled material.
- · Keep combustibles (wood, paper, oil, etc.) away from spilled material.
- Stop leak if you can do it without risk.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- · Prevent entry into waterways, sewers, basements or confined areas.
- Isolate area until gas has dispersed.
- · Ventilate the area.

FIRST AID

- Call 911 or emergency medical service.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- · Move victim to fresh air if it can be done safely.
- · Give artificial respiration if victim is not breathing.
- Do not perform mouth-to-mouth resuscitation if victim ingested or inhaled the substance; wash
 face and mouth before giving artificial respiration. Use a pocket mask equipped with a one-way
 valve or other proper respiratory medical device.
- · Administer oxygen if breathing is difficult.
- · Clothing frozen to the skin should be thawed before being removed.
- · Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- · Keep victim calm and warm.
- · Keep victim under observation.
- · Effects of contact or inhalation may be delayed.

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