



PHENYL PHOSPHOROUS DICHLORIDE



UN 2798

Shipping Name: Phenyl phosphorous dichloride

Other Names: Benzene phosphorous dichloride

Dichlorophenyl phosphine

Phenylphosphine dichloride

WARNING! • **POISON! BREATHING THE VAPORS CAN KILL YOU! SKIN AND EYE CONTACT CAN CAUSE SEVERE BURNS AND BLINDNESS!**

- Firefighting gear (including SCBA) provides NO protection. If exposure occurs, remove and isolate gear immediately and thoroughly decontaminate personnel
- **DO NOT USE WATER! REACTS VIGOROUSLY WITH WATER TO FORM TOXIC HYDROGEN CHLORIDE VAPORS!**

Hazards:

- Vapors are heavier than air and will collect and stay in low areas
- Container may BLEVE when exposed to fire
- Combustion products include toxic hydrogen chloride
- Corrosive to most metals

Awareness and Operational Level Training Response:

- **Do not put yourself in danger by entering a contaminated area to rescue a victim**
- Stay upwind and uphill
- Determine the extent of the problem
- For container exposed to fire evacuate the area in all directions because of the risk of BLEVE
- Isolate the area of release or fire and deny entry
- Evacuate or shelter in place the immediate area and downwind for a large release
- Notify local health and fire officials and pollution control agencies
- If material or contaminated runoff enters waterways, notify downstream users of potentially contaminated water

Description:

- Colorless liquid that fumes in air
- Pungent odor
- Sinks in water and reacts in water to form toxic hydrochloric acid
- Flammable
- Vapors are heavier than air and will collect and stay in low areas

Operational Level Training Response:

RELEASE, NO FIRE:

- **DO NOT USE WATER DIRECTLY ON PRODUCT.** Reacts vigorously with water to form toxic hydrochloric acid
- Stop the release if it can be done safely from a distance
- Prevent material and runoff from rain or fire fighting from entering sewers and waterways if it can be done safely well ahead of the release
- Use large amounts of water well away from the release to knock down vapors - contain runoff
- Ventilate confined area if it can be done without placing personnel at risk

FIRE:

- If possible, do not allow water to come in contact with the material; if material is involved in a fire, use dry chemical to extinguish if available. If water must be used, use it in flooding quantities
- If material is not leaking, cool exposed containers with large quantities of water from unattended equipment or remove intact containers if it can be done safely
- If cooling streams are ineffective (venting sound increases in volume and pitch, tank discolors or shows any signs of expanding), withdraw immediately to a secure location

First Aid:

- **Do not put yourself in danger by entering a contaminated area to rescue a victim**
- Provide Basic Life Support/CPR as needed
- Decontaminate the victim as follows:
 - ◆ Inhalation - remove the victim to fresh air and give oxygen if available
 - ◆ Skin - remove and isolate contaminated clothing (including shoes) and wash skin with soap and large volumes of water for 15 minutes
 - ◆ Eye - rinse eyes with large volumes of water or saline for 15 minutes
 - ◆ Swallowed - do not make the victim vomit
- Seek medical attention
- Toxic effects may be delayed
- For skin burns decontaminate with water and apply a clean dry dressing

CAS: 644-97-3