



TETRAETHYL PYROPHOSPHATE



NA 2783 (Solid)

NA 3018 (Liquid)

Shipping Name: Tetraethylpyrophosphate

Other Names: Bis-O,O-diethylpyrophosphoric anhydride

Fosvex

Pyrophosphoric acid, tetraethyl ester

TEP

TEPP

Vapotone

- WARNING!**
- **POISON! BREATHING THE VAPORS, SWALLOWING THE MATERIAL OR SKIN CONTACT CAN KILL YOU!**
 - **Firefighting gear (including SCBA) does not provide adequate protection. If exposure occurs, remove and isolate gear immediately and thoroughly decontaminate personnel**

Hazards:

- Container may BLEVE when exposed to fire
- Vapors are heavier than air and will collect and stay in low areas
- Combustion or decomposition products upon heating include toxic phosphorous oxides or explosive ethylene gas

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
- Isolate the area of release or fire and deny entry
- For container exposed to fire evacuate the area in all directions because of the risk of BLEVE
- 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 to amber liquid
- Fruit-like odor
- Reacts with water to form corrosive phosphoric acid and flammable ethylene gas and is soluble in water
- Flammable
- Vapors are heavier than air and will collect and stay in low areas
- Freezes at 32° F
- An organophosphate insecticide

Operational Level Training Response:

RELEASE, NO FIRE:

- Stop the release if it can be done safely from a distance
- Prevent material and runoff from entering sewers and waterways if it can be done safely well ahead of the release
- Ventilate confined area if it can be done without placing personnel at risk

FIRE:

- If material is on fire or involved in a fire and conditions permit, **DO NOT EXTINGUISH**. Cool exposures using unattended monitors.
- Material does not easily burn; fight surrounding fire with an agent appropriate for the burning material
- 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 (unvented container distorts, bulges or shows any other 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
- Victims should be examined by a physician as soon as possible
- Toxic effects may be delayed
- Note to physician: an organophosphate insecticide; if symptoms indicate, atropine is an initial antidote

CAS: 107-49-3