



DIMETHYLAMINE

(ANHYDROUS)

UN 1032

Shipping Name: Dimethylamine, anhydrous

Other Names: DMA

N-methyl-methanamine



WARNING! • EXTREMELY FLAMMABLE!

Hazards:

- Extremely irritating to skin, eyes, nose and lungs; skin and eye contact causes severe burns and blindness
- Fire fighting gear (including SCBA) does not provide adequate protection. If exposure occurs, remove and isolate gear immediately and thoroughly decontaminate personnel
- Container may BLEVE or explode when exposed to fire
- Gas is heavier than air and will collect and stay in low areas
- Gas may travel long distances to ignition sources and flashback
- Containers or gas in confined areas (e.g., tanks, sewers, buildings) may explode when exposed to fire
- Contact with liquid can cause frostbite
- Combustion products include highly toxic nitrogen oxides

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
- Remove all ignition sources
- For container exposed to fire evacuate the area in all directions because of the risk of BLEVE or explosion
- Evacuate 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 gas
- Shipped or stored as a compressed liquefied gas or in water solution
- Fishy, ammonia-like odor
- Soluble in water
- Extremely flammable
- Gas is heavier than air and will collect and stay in low areas
- Becomes a liquid below 44° F

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
- Use large amounts of water well away from the release to disperse gas - contain runoff
- Consider the application of alcohol resistant (AFFF) foam to large areas of spilled liquid to control gas
- Ventilate confined area if it can be done without placing personnel at risk

FIRE:

- Do not extinguish the fire unless the flow of the gas can be stopped and any remaining gas is out of the line. Specially trained personnel may use fog lines to cool exposures and let the fire burn itself out
- 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 deforming), 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
- Frostbite - warm injured area in very warm water
- Toxic effects may be delayed
- For skin burns decontaminate with water and apply a clean dry dressing

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