



# HYDROXYLAMINE

Other Names: Oxammonium

**WARNING!** • **EXPLOSIVE! CONTAINER MAY EXPLODE WHEN EXPOSED TO FIRE OR HEATED ABOVE 265°F! MAY EXPLODE AT LOWER TEMPERATURES IF MATERIAL IS EXPOSED TO AIR!**

## Hazards:

- May interfere with the body's ability to use oxygen
- Very irritating to skin, eyes, nose and lungs; prolonged contact with skin can cause burns
- Combustion or decomposition products upon heating include toxic nitrogen oxides

## Awareness and Operational Level Training

### Response:

- Stay upwind and uphill
- Determine the extent of the problem
- BACK OFF! - Isolate a wide area around the area of release or fire and deny entry and call for expert help
- For container exposed to fire evacuate the area in all directions because of the risk of explosion
- 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:

- White solid
- No odor found
- Melts at 90° F forming a colorless liquid
- Initially sinks in water and is soluble in water
- Nonflammable

## Operational Level Training Response:

### RELEASE, NO FIRE:

- Cover material to protect from wind, rain or spray
- Prevent 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:

- Use extreme caution in approaching fire because material may explode without warning; no attempt should be made to fight fires except with unattended monitors using an agent appropriate for the burning material
- 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:

- 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
- For skin burns decontaminate with water and apply a clean dry dressing
- Note to physician: can cause methemoglobinemia; if symptoms indicate, methylene blue is the initial antidote

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