



AMMONIUM THIOCYANATE

NA 9092

Other Names: Ammonium rhodanate
Ammonium sulfocyanide
Amthio

Hazards:

- Irritating to skin, eyes, nose and lungs
- Combustion and decomposition products upon heating include toxic ammonia, nitrogen oxide, sulfur oxide and cyanide gases
- Corrosive to iron, copper and brass

Awareness and Operational Level Training

Response:

- Stay upwind
- Determine the extent of the problem
- Isolate the area of release or fire and deny entry
- Consider evacuating or sheltering in place the immediate area and downwind if material is involved in a fire
- 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 solid
- Odorless
- Initially sinks in water and is soluble in water
- May be shipped and stored as a solid or in a water solution
- Flammable except in water solution

Operational Level Training Response:

RELEASE, NO FIRE:

- Prevent contaminated runoff from entering sewers and waterways if it can be done safely well ahead of the release
- Cover material to protect from blowing, rain or spray

FIRE:

- Solid material burns only with difficulty; as a water solution material does not burn; fight surrounding fire with 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:

- 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

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