**SECTION I  NAME**

**24 HOUR EMERGENCY ASSISTANCE**

Product: MERCURIUS NITRATI DRY.

**Chemical Synonyms**: Mercury Proteratee, Mercury [II] Nitrate

**Formula**: HgNO₃·2H₂O

**Mercury Nitrate**

**Unit Size**: up to 2.5 Kg.

**C.A.S. No.**: 14526-60-3

**SECTION II  INGREDIENTS OF MIXTURES**

Principal Component(s)

- MERCURIUS NITRATI DRY.

- TLV Units: 100%

**DANGEROUS**: POISON; STRONG OXIDIZING AGENT

**MAY BE FATAL IF INHALED, SWALLOWED, INHALED OR ABSORBED THROUGH SKIN**

**SECTION III  PHYSICAL DATA**

**Melting Point (°F)**: Decomposes @ 70°C (160°F)

**Boiling Point (°F)**: Not applicable.

**Vapor Pressure (mm Hg)**: Not applicable.

**Vapor Density (Air=1)**: Not applicable.

**Solubility In Water**: Soluble in 13 parts 1% nitric acid.

**Appearance & Odor**: Colorless to slightly yellow crystals, granular, crystalline powder; slight odor of nitric acid.

**SECTION IV  FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (°F)**: Not applicable

**Flammable Limits in Air**: Not applicable.

**Extinguisher Media**: Use any media suitable for extinguishing supporting fire.

**SPECIAL FIREFIGHTING PROCEDURES**: In fire conditions, wear a NIOSH/OSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**: Fire or excessive heat will cause mercurous nitrate to sublime, release mercury vapor or explode upon heating. Calculating material. In contact with easily fusible substances it may react rapidly enough to cause ignition, violent combustion or explosion. Increases the flammability of any combustible substance.

**SECTION V  HEALTH HAZARD DATA**

**Threshold Limited Value**: TWA: 0.3 mg/m³; CECI: 0.15 mg/m³. Mercury [II] Nitrate, analyt. REFCES No. DW6000000. TDGS: Oral rat (LD₅₀): 170 mg/kg; TWA-TWA 100 ug/m³ (Silag).

**Effects of Overexposure**: INGESTION: Highly toxic. Mercury poisoning - may cause death if swallowed. Toxic by skin absorption. SKIN: May produce dermatitis and blisters of the hands. Causes irritation and redness. Oral途 transmitted by contact with mucous membranes of the oral and throat. EYES: Severe irritation, may cause blindness.

**Emergency and First Aid Procedures**: INGESTION: If swallowed, rinse out the mouth and wash down with water. Remove to fresh air. If breathing is difficult, give oxygen. Use artificial respiration. EYES: Wash with water. Do not bandage. Remove any contact lenses. DO NOT USE any eye ointment. Remove eyewash cups with plenty of water for at least 15 minutes. Rinse upper and lower eyelids. Seek prompt medical attention.

**SECTION VI  REACTIVITY DATA**

**Stability**: Unstable

**Conditions to Avoid**: Excessive temperature, heat and ignition sources. Protect from light.

**Incompatibility (Materials to Avoid)**: Reducing agents, phosphorus.

**Hazardous Decomposition Products**: Thermal decomposition or burning emits mercury vapor and oxides of nitrogen (NOₓ).

**Hazardous Polymerization**: Conditions to Avoid: Not applicable.

**SECTION VII  SPILL OR LEAK PROCEDURES**: Steps to be taken in case material is released or spilled:

- Wear protective clothing,例如 protective gloves, and work in a well-ventilated area. Wash spills with soap and water. DO NOT FLUSH TO SEWER. Collect waste water for disposal with spiked mercury compound.

**Waste Disposal Method**: Disposal, transfer, or disposal may be subject to Federal, State or Local laws. Dispose of by (1) sending to a licensed mercury recovery facility (2) contract with a licensed waste disposal service (3) approved chemical landfill.

**SECTION VIII  SPECIAL PROTECTION INFORMATION**

**Respiration Protection**: Normal protective clothing, or in the event of fire, use NIOSH/OSHA-approved respiratory equipment.

**Ventilation**: Local exhaust recommended. Special equipment recommended. Make Adequate to maintain below exposure limit.

**Protective Gloves**: Rubber. Eye Protection: Chemical safety glasses.

**Other Protective Equipment**: Splash goggles, lab coat, apron, ventilated hood, impervious gloves, eye wash station.

**SECTION IX  SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling & Storing**: Store in a cool, dry place away from heat and sources of ignition. Keep away from combustible materials. DO NOT INgest. Keep out of reach of children.

**Other Precautions**: Read label on container before use. Do not use near other liquids when heating. Decomposed by large amounts of water. May be explosible if shocked or heated. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

**Revision No. 5 Date 2/08/77 Approved Michael Reagor Community Chemical Mfr.**

**Material Safety Data Sheet**

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