# MATERIAL SAFETY DATA SHEET

**MANUFACTURER**

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**HMIS RATING:**

- **Health:** 3
- **Reactivity:** 2
- **Fire:** 0

**SECTION II - HAZARDOUS INGREDIENTS**

- **Ingredient:** Sulfuric Acid
- **CAS #:** 7664-39-3
- **TLV:** 1mg/m³ (mists only)

**This product is subject to SARA Title III Reporting.**

**DOT SHIPPING DESCRIPTION:** Sulfuric Acid, B, UN 1825, PG II, Corrosive Material

**SECTION III - PHYSICAL PROPERTIES**

- **Boiling Range:** 550°C
- **Specific Gravity (H₂O = 1):** 1.99
- **Vapor Pressure (mm of Hg) @ 20°C:** 1.2
- **Vapor Density (Air = 1):** None
- **Solubility in H₂O:** Complete
- **Evaporation Rate:** Slow
- **% Volatile:** 0
- **Peroxidation:** < 1
- **Appearance and Odor:** Red liquid with no odor

**SECTION IV - FIRE AND EXPLOSION DATA**

- **Flammability Limits (% in Air):** LEL: N/A, UEL: N/A
- **Flash Point:** None (TCC)
- **Flammability Classification:** None
- **Recommended Extinguishing Media:** Encapsulated suit with SCBA or supplied air.
- **Unusual Fire/Explosion Hazards:** May react violently with water.

**SECTION V - HEALTH INFORMATION**

- **Threshold Limit Value:** 0.28
- **OSHA PEL:** 1mg/m³

**Effects of Overexposure:** Corrosive to skin and eyes on contact. Eye contact can produce permanent damage or blindness. Skin contact can produce inflammation, reddening, and blistering. Inhalation of spray mist or vapors may produce irritation, burning, or destruction of tissues in the respiratory tract, characterized by coughing, choking, pain, or shortness of breath. Severe overexposure may lead to fatal lung damage. Ingestion can cause abdominal pain, nausea, vomiting, and collapse, along with tissue destruction in the gastrointestinal tract.

**Chronic Effects of Overexposure:** Untreated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. None of the hazardous ingredients are listed as carcinogens by IARC, NTP, or OSHA.

**SECTION VI - REACTIVITY DATA**

**Stability:** Stable

**Conditions to Avoid:** Strong alkalis, oxidizers, and active metals.

**Incompatibility (Avoid):** Strong alkalis, oxidizers, and active metals.

**Hazardous Decomposition:** Hydrogen gas from reaction with steel or active metals.

**Hazardous Polymerization:** Will not occur

**SECTION VII - SPILL OR LEAK PROCEDURES**

- **Procedures if Material is Spilled or Released:** Observe safety precautions in section 9 & 10 during clean-up. Use protective equipment to avoid contact with skin or eyes. Avoid spill on an open, absorbing material: pick up and place in a clean D.O.T. specification container for disposal. Wash area thoroughly with a detergent solution and rinse well with water.

**Waste Disposal Procedures:** Dispose of in accordance with existing Local, State, or Federal regulations. Unused material is considered a hazardous waste D002 by RORA criteria.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** If ventilation is inadequate, wear a properly fitted respirator.

**Ventilation:** If vapors are detected, ventilate work area by opening windows and using exhaust fans.

**Protective Clothing:** Wear rubber or neoprene gloves and a face shield when using. A rubber apron and boots are strongly recommended.

**Eye Protection:** Wear splash-proof safety goggles especially if contact lenses are worn.

**SECTION IX - ADDITIONAL PRECAUTIONS**

- **Precautions in Handling and Storage:** Store tightly closed container in a dry area at temperatupe, between 40-120 degrees F. Store away from highly alkaline products and oxidizing compounds. Keep product away from skin and eyes. Do not breathe spray mist or vapors. Keep away from food and food products. Clothing or shoes which become contaminated with substance should be removed promptly and not reworn until thoroughly cleaned. KEEP OUT OF REACH OF CHILDREN.

**ADDITIONAL INFORMATION**

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information or particular purpose.

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