Material Safety Data Sheet


MANUFACTURER'S NAME
Amrep, Inc.

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Marietta, Georgia 30062

Phone Number (For Information)
(404) 422-2071

Emergency Phone Number
(404) 422-2071

DOT HAZARD CLASSIFICATION:
Corrosive - Material
Identity (Trade Name As Used On Label) R-990 Liquidate
MSDS Number*
R-990-5

EMERGENCY RESPONSE NUMBER: 800-255-3924

NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS — Chemical Name & Common Names
(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>CAS Number</th>
<th>APPROX. % (wt)*</th>
<th>OSHA PEL (ppm)</th>
<th>ACGIH TLV (ppm)</th>
<th>CARCINOGEN REFERENCE SOURCE</th>
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<tbody>
<tr>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>&gt; 95</td>
<td>1mg/m3</td>
<td>TWA</td>
<td>D</td>
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NOTICE: THIS PRODUCT MAY CONTAIN ONE OF THE LISTED SARA TITLE III SECTION 313 CHEMICALS.

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point 338°C. Specific Gravity (H2O = 1) 1.835

Vapor Pressure PSIG @ 70°F (Aerosols) N/A Vapor Pressure (Non-Aerosols) (mm Hg and Temperature) 0.0038 mm Hg at 20°C

Vapor Density (Air = 1) 3.38 Evaporation Rate (-) - 1) NA

Solubility in Water Complete Water Reactive Violently

Appearance and Odor Clear, colorless to cloudy liquid. No odor to mild, acidic odor.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (AEROSOLS)

Flash Point and Method Used (Non-Aerosols) None

Auto-Ignition Temperature N/A

Flammability Limits in Air % by Volume LEL N/A

UEL N/A

Extinguisher CO2 or dry chemical. Use water fog to knock down vapors.

Special Fighting Procedures Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

DO NOT allow water to enter containers. Violent reaction results.

Unusual Fire and Explosion Hazards Solutions in contact with metals form hydrogen.

*Optional ** Chemical Listed as Carcinogen or Potential Carcinogen NTP IARC Monograph OSHA Animal Data Only
SECTION 4 - REACTIVITY HAZARD DATA

STABILITY
☑ Stable
☐ Unstable

Conditions To Avoid
Heating. Water on sulfuric acid will cause splattering, fuming, and evolution of heat.

Incompatibility
(Materials to Avoid)
Solvents, oxidizers, reducing agents, combustible materials, organic materials, alkalis, powdered metals, amines, carbides, fulminates, chlorates, nitrates, perchlorates.

Hazardous Decomposition Products
Oxides of sulfur. Hydrogen may be evolved in contact with metal.

Hazardous POLYMERIZATION
☐ May occur
☐ Will Not Occur

Conditions To Avoid
None/

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES
☐ Inhalation ☐ Ingestion ☐ Not Hazardous
☐ Skin Absorption ☐ Eye

ACUTE EFFECTS
Burns, rapid destruction of all tissue contacted.

Inhalation
May cause respiratory irritation. Liquid is corrosive.

Eye Contact
Corrosive.

Skin Contact
Corrosive.

Ingestion
Corrosive.

CHRONIC EFFECTS
Dermatitis or secondary effects of burns, chronic over exposure may cause tooth erosion, chronic cough.

Medical Conditions Generally Aggravated by Exposure
N/A

EMERGENCY FIRST AID PROCEDURES

Eye Contact
Flush with water for 15 minutes. Call a physician.

Skin Contact
Flush with water for 15 minutes. Call a physician.

Inhalation
Remove victim to fresh air. Call a physician.

Ingestion
Wash out mouth with water. Give large quantities of water to drink. Do not induce vomiting. Call a physician.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)
Not needed in normal use and handling of product.

Protective Gloves
Rubber.

Eye Protection
Chemical goggles and faceshield.

VENTILATION REQUIREMENTS
As required to keep air concentration below PEL. Normal room ventilation is usually adequate.

Other Protective Clothing and Equipment
Coveralls, rubber apron and boots, eyewash station and safety shower.

Hygienic Work Practices
Avoid contact with liquid and breathing of mists or vapors. Upon contact with eyes or skin, wash off with water immediately.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released
Dike spill and soak up with inert absorbent. Shovel or sweep and place in a properly labeled approved DOT container and seal for disposal in an authorized and legal manner. Neutralize area with soda ash and dispose of this material properly.

Waste Disposal Methods
Dispose of material and containers in a manner approved for this material. Consult appropriate federal, state, and local agencies to ascertain proper disposal procedures.

Precautions to be Taken in Handling and Storage
Store in original shipping containers. Keep closed when not in use. Follow label directions when using. Shelf life 1 year.

Other Precautions and / or Special Hazards
Keep out of reach of children.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied.