View NSN Online: https://aerobasegroup.com/nsn/6810-00-146-7520

Fraction by Wt: 01.0%

ALLIED-SIGNAL INC, ENGINEERED MATERIALS SECTOR -- SULFURIC ACID (99%) 6810-00-146-7520 Product ID:SULFURIC ACID (99%) MSDS Date:07/01/1982 FSC:6810 NIIN:00-146-7520 **MSDS Number: BDCKC** === Responsible Party === Company Name: ALLIED-SIGNAL INC, ENGINEERED MATERIALS SECTOR Address:COLUMBIA RD AND PARK AVE Box:1087R City:MORRISTOWN State:NJ ZIP:07960 Country:US CA GE:1L164 === Contractor Identification === Company Name: ALLIED-SIGNAL INC Box:2332R City:MORRISTOWN State:NJ ZIP:07962-2332 Country:US Phone:201-455-4414 CAGE:1L164 Ingred Name:SULFURIC ACID (SARA III) CAS:7664-93-9 RTECS #:WS5600000 Fraction by Wt: 99.0% OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3; 9192 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS Ingred Name:WATER; CAS #7732-18-5 CAS:7732-18-5 RTECS #:ZC0110000

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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Effects of Overexposure:SKIN: CAUSES IRRITATION/CORROSIVE BURNS. EYES: IRRITATION, CORNEAL BURNS, CONJUNCTIVITIS. INGESTION: IRRITATION, CORROSIVE BURNS TO MOUTH, THROAT, AND STOMACH. CAN BE FATAL IF SWALLOWED. INHALATION: I RRITATION/BURNS TO UPPER RESPIRATORY SYSTEM, LUNGS, ETC.

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEE DOCTOR. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR. SKIN: WASH/RINSE WITH SOAP AND WATER. REMOVECONTAMINATED CLOTHING/SHOES. SEE DOCTOR. INGESTION: DILUTE WITH H20/MILK. DO NOT INDUCE VOMITING. SEE DOCTOR.

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lash Point:NONE

Extinguishing Media:USE WATER SPRAY/SUITABLE AGENTS FOR ADJACENT TANK; DRY CHEMICAL

Fire Fighting Procedures:WEAR APPROVED SCBA WITH FULL FACEPIECE. COOL NON-LEAKERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:FLAMMABLE/EXPLOSIVE HYDROGEN GAS CAN BE GIVEN INSIDE METAL DRUMS/STORAGE TANKS. CONCENTRATED ACID CAN IGNITE COMBUSTIBLE MATERIALS.

Spill Release Procedures:SMALL SPILLS:DILUTE W LG AM T WATER.NEUT

RESIDUE W ALKALI SUCH AS SODA ASH/LIME.ADEQUATE VENT IS REQD DUE TO RELEASE OF CO2 FROM SODAASH.LG SPILLS:EVACUATE AREA.USE PROTEC EQUIP.STOP LEAK W/O RISK.DIKE W/ABSORBENT/SAND.PUMP LIQ INTO DRUMS FOR DISPOSA

Handling and Storage Precautions: USE FULL PROTECTIVE EQUIPMENTS. STORE IN COOL, WELL-VENTILATED AREA AWAY FROM COMBUSTBLE/REACTVE CHEM. VENT CNTNRS IN HOT WEATHR TO AVOID H2 BUILD-UP.

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ther Precautions: SAFETY SHOWERS/EYEWASH FACILITIES SHOULD BE AVAILABLE NEARBY H2SO4 HANDLING EQUIP.DO NOT ADD WATER CAUSTIOUSLY W AGITATION. PKG/UNLOADG AREA NEED EXH SYSTM.

======= Exposure Controls/Personal Protection ==========

Respiratory Protection: IF REQUIRED USE NIOSH APPROVED RESPIRATOR FOR MISTS/GAS. MAY REQUIRE SELF-CONTAINED BREATHING APPARATUS. Ventilation: SUFFICIENT TO REDUCE ACID MIST BELOW TLV LEVELS. MAY REQUIRE MECHANICAL EXHAUST. Protective Gloves: A CID RESISTANT Eye Protection: CHEMICAL SAFETY GOGGLES/FACESHIELD Other Protective Equipment: ACID RESISTANT APRON, BOOTS, JACKET, TROUSERS Supplemental Safety and Health

HCC:C1 Boiling Pt:B.P. Text:590F,310C Spec Gravity:1.842 Solubility in Water:COMPLETE Appearance and Odor:OILY, COLORLESS TO SLIGHT YELLOW, CLEAR TO TURBID LIQUID.

Stability Indicator
/Materials to Avoid:YES
OXIDIZERS, FLAMMABLE MATERIALS, REDUCING MATERIALS, CARBIDES, CHLORATES, SULFIDES
Stability Condition to Avoid:HEATING >300C(572F): YIELDS SULFUR TRIOXIDE GAS, WHICH IS OXIDIZER/CORROSIVE/TOXIC.
Hazardous Decomposition Products:SULFUR TRIOXIDE. MAY ALSO YIELD HYDROGEN GAS WITH METAL CONTACT.
Conditions to Avoid Polymerization:AVOID ALLYL COMPOUNDS AND ALDEHYDES: UNDERGOES POLYMERIZATION WITH THESE.

======== Disposal Considerations =========

Waste Disposal Methods:DILUTE W/WATER,NEUTRALIZE W/ALKALI & FLUSH TO SEWER WITH PLENTY OF WATER IF PERMITTED BY APPLICABLE DISPOSAL REGULATIONS. NEUTRALIZED WASTE MAY HAVE TO BE DISPOSED OF BY AN APPROVED CONTRACTOR. DISPOS ER MUST COMPLY W/FED,STATE & LOCAL DISPOSAL REGS.

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