

ALLIED-SIGNAL INC, ENGINEERED MATERIALS SECTOR -- SULFURIC ACID (93%, 66 DEG BAUME)
-- 6810-00-061-1104

===== Product Identification =====

Product ID:SULFURIC ACID (93%, 66 DEG BAUME)

MSDS Date:07/01/1982

FSC:6810

NIIN:00-061-1104

MSDS Number: BCWRX

=== Responsible Party ===

Company Name:ALLIED-SIGNAL INC, ENGINEERED MATERIALS SECTOR

Address:COLUMBIA RD AND PARK AVE

Box:1087R

City:MORRISTOWN

Stat

e:NJ

ZIP:07960

Country:US

Emergency Phone Num:NONE KNOWN

Preparer's Name:NOT PROVIDED

CAGE: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

===== Composition/Information on Ingredients =====

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 93.0%

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

Fraction by Wt: 07.0%

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Effects of Overexposure:SKIN:CAUSE IRRIT/CORR BURNS;EYES:IRRIT, CORNEAL
BURNS/CONJUNCTIVITIS;ING:IRRIT,CORR SEE SUPPL DATA

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===== First Aid Measures =====

First Aid:INHAL:RMV TO FRESH AIR.IF

NOT BRTHNG,GIVE CPR.IF BRTHG

DIFF,GIVE OXYGN;EYE:IMMED FLUSH W/PLENTY OF H2O AT LEAST 15
MIN;SKIN:WASH/RINSE W/SOAP & WATER.RMV CONTAM

CLTHG/SHOES;INGEST:DILUTE W/ H2O/MILK.D ON'T INDUCE VOMIT.GET MED
ATTN:EYE/SKIN/INH/INGST

=====
===== Fire Fighting Measures =====

Flash Point:NONE

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

Fire Fighting Procedures:WEAR APPRVD SCBA W/FULL FACEPIECE.COOL NON-
LEAKRS W/H2O SP

R

Unusual Fire/Explosion Hazard:FLAMM/EXPLOSV HYDROGEN GAS CAB BE GIVEN
INSIDE METAL DRUMS/STG TANKS.CONC ACID CAN IGN COMBUST MATL.

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===== Accidental Release Measures =====

Spill Release Procedures:SMALL SPILLS:DILUTE W LG AMT 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 =====

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

Other Precautions:SAFETY SHOWERS/EYEWASH FACILITIE SHOULD BE AVAILABLE NEARBY H2SO4 HANDLING EQUIP.DO NOT ADD WATER TO ACID.ALWAYS ADD ACID TO COLD WATER CAUTIOUSLY W AGITATION.PKG/UNLOADG AREA NEED EXH SYSTM

==== Exposu
re Controls/Personal Protection =====

Respiratory Protection:IF REQD USE NIOSH APPRVD FOR MISTS/GAS.MAY REQ SELF-CNTND BRTHG APP.

Ventilation:SUFF TO REDUCE ACID MIST BELOW TLV LEVELS.MAY REQ MECH EXH.

Protective Gloves:ACID RESISTANT

Eye Protection:CHEM SAFETY GOGG/FACESHLD

Other Protective Equipment:ACID RESISTANT APRON,PROTECTIVE CLOTHING, BOOTS/JACKET/TROUSR

Supplemental Safety and Health

BURNS TO MOUTH,THROAT/STOMACH.CAN BE FATAL IF

SWALLOWED;INHAL:FUMES/MIST IRRIT/BUR

NS UPPER RESP SYSTEM,LUNGS,ETC;

==== Physical/Chemical Properties =====

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=278.9C, 534.F

Spec Gravity:1.835

Solubility in Water:COMPLETE

Appearance and Odor:OILY, COLORLESS TO SLIGHT YELLOW, CLEAR TO TURBID LIQUID.

==== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, FLAMMABLE MATERIALS, REDUCING MATERIALS, CARBIDES, CHLORATES, SULFIDES

Stab

ility 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. DISPOSER MUST COMPLY W/FED,STATE & LOCAL DISPOSAL REGS.

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