

FISHER SCIENTIFIC CO CHEMICAL MFG DIV -- HYDROXYLAMINE SULFATE, CAT#:H-331-500 --  
6810-00-527-9666

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

Product ID:HYDROXYLAMINE SULFATE, CAT#:H-331-500

MSDS Date:01/15/1994

FSC:6810

NIIN:00-527-9666

MSDS Number: BLMTM

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL MFG DIV

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

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Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:2G230

=== Contractor Identification ===

Company Name:DYNATECH SCIENTIFIC INC

Address:1401 27TH ST

Box:640164

City:KENNER

State:LA

ZIP:70064

Country:US

Phone:504-465-9604

CAGE:0VL27

Company Name:FISHER SCIENTIFIC CO

Address:3970 JOHNS CREEK CT, SUITE 500

Box:City:SUWANEE

State:GA

ZIP:30024

Country:US

Phone:770-871-4500

CAGE:8E930

Company Name:FISHER SCIENTIFIC CO CHEMICAL MFG DIV

Address:1 REAGENT LN

Box:City:

FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100/800-766-7000 X3725

CAGE:2G230

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients  
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Ingred Name:HYDROXYLAMINE SULFATE

CAS:10039-54-0

RTECS #:NC5425000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHAL:SEVERE MUC MEM IRRIT,PULM

EDEMA,HYDROXYLAMINE SALTS TEND TO PRODUCE

METHEMOGLOBIN,SULFHEMOGLOBIN,HEINZ BODIES,OTHER IRREVERSIBLE RED

CELL DAMA,SYS POISONING. EYE/SKIN:SEVERE IRRIT.ALLERGIC SKIN

REACTIONS,DERM,CONJ. INGEST:SORE THROAT,NAU,ABDOMINAL

PAIN,DIARR,FAINTNESS,LOSS OF CONSC,SULFHEMOGLOBIN,RED CELL DAMAGE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHAL:SORE THROAT,COUGHING,DIFF

BREATHING,DIZZ,FAINTNESS,UNCONSCIOUSNESS.

CYANOSIS,CONVULSIONS,HYPOTENSION,COMA. SKIN:REDNESS,PAIN,SKIN

BURNS,ALLERGIC SKIN REACTIONS. EYE:REDNESS,PAIN,BLURRED VISION,

CONJUNCTIVITIS. INGEST:SOARE THROAT,NAU,ABDOMINAL

PAIN,DIARRHEA,FAINTNESS,LOSS OF CONSC,IRREVERSIBLE RED CELL DAMAGE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MFG.

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First Aid Measur

es =====

First Aid:INHAL:REMOVE TO FRESH AIR IMMED.STOP BREATH GIVE ARTIF  
RESP.GIVE OXY IF AVAILABLE.SKIN:REMOVE CONTAMIN CLOTH/SHOE  
IMMED.WASH W/ SOAP/MILD DETERGENT & LG AMTS OF WATER @ LEAST  
15-20MINS.IF CHEM BURNS O CCUR COVER W/STERILE DRY  
DRESSING.EYE:WASH IMMED W/LG AMTS OF WATER LIFTING EYELIDS @ LEAST  
15-20MINS.CONTINUE W/NORMAL SALINE TIL NORMAL PH 30-60MINS.COVER  
W/STERILE BANDAGES.IN ALL CASE GET MED ATTN

===== Fire Fighti  
ng Measures =====

Flash Point:NONE

Extinguishing Media:DRY CHEMICAL,CO2E,WATER SPRAY,REGULAR FOAM.FOR LG  
FIRES USE WATER SPRAY,FOG,REGULAR FOAM.DON'T USE WATER DIRECTLY ON  
MAT

Fire Fighting Procedures:APPLY COOLING H2O TO SIDES OF CONTAINERS  
EXPOSED TO FLAMES TIL WELL AFT FIRE IS OUT.STAY AWAY FROM ENDS OF  
TANKS.KEEP UPWIND.USE H2O SPRAY TO ABSORB CORR VAPORS

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZA & DANGEROUS  
EXPLOSION HAZ WHEN EXPOSED TO HEAT OR  
FLAME.MOVE ONTAINER FROM FIRE  
W/O RISK.STAY AWAY FROM ENDS OF TANKS.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. STOP LEAK IF YOU  
CAN WITHOUT RISK. WITH A CLEAN, DRY SHOVEL, PLACE SMALL SPILLS INTO  
CLEAN, DRY CONTAINER & COVER. FOR LARGE SPILL, DIKE FAR AHEAD FOR  
LATER DISPOSAL.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Pr

ecautions:OBSERVE ALL LOCAL, STATE AND FEDERAL  
REGULATIONS WHEN STORING. STORE AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:MAY BURN BUT DOES NOT IGNITE READILY. FLAMMABLE,  
POISONOUS GASES MAY ACCUMULATE IN TANKS AND HOPPER CARS. MAY IGNITE  
COMBUSTIBLES(WOOD,PAPER,OIL,ETC.). AVOID CONTACT WITH EYES, SKIN  
AND CLOTHING. DO N OT RAISE DUST. AVOID BREATHING DUST.

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

Respiratory Protection:FOR DUSTY CONDITIONS,

WEAR A NIOSH-APPROVED  
RESPIRATOR FOR TOXIC DUST/ANY TYPE 'C' SUPPLIED-AIR RESPIRATOR WITH  
A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND/ANY SELF-CONTAINED  
BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN+PRESSURE  
Ventilation:LOCAL EXHAUST VENTILATION (EXPLOSION PROOF)  
Protective Gloves:RUBBER, LATEX  
Eye Protection:DUST-RESISTANT SAFETY GOGGLES  
Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER WITHIN  
THE IMMEDIATE WORK AREA FOR EMERGENCY USE

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DISCARD CONTAMINATED SHOES. DO NOT LAUNDER  
AT HOME.

Supplemental Safety and Health  
COOL CONTAINERS W/FLOODING AMTS OF WATER FROM AS FAR A DISTANCE AS  
POSSIBLE. IF LG AMTS OF COMBUSTIBLE MATLS ARE INVOLVED USE WATER  
SPRAY OR FOG IN FLOODING AMTS. INGEST:TREAT SYMPTOMATICALLY &  
SUPPORTIVELY.ANTIDOTE:NO SPECIFIC ANTIDOTE.TREAT SYMPTOMATICALLY &  
SUPPORTIVELY.

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

HCC:B1  
Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES  
Decomp Temp:Decomp Text:338F,170C  
Spec Gravity:1.9  
Solubility in Water:60%  
Appearance and Odor:COLORLESS TO WHITE, MONOCLINIC CRYSTALS OF  
CRYSTALLINE POWDER.

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

Stability Indicator/Materials to Avoid:YES  
ALKALIE(FREE HYDROXYLAMINE RELEASED WHICH MAY DECOMPOSE  
EXPLOSIVELY);METALS(CORR ACTION IN PRESENCE OF MOISTURE);OXIDANT  
Stability Condition to Avoid:MAY DECOMPOSE EXPLOSIVELY WHEN HEATED TO  
338F (170C).  
Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE  
TOXIC OXIDES OF NITROGEN & SULFUR.

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

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS  
WHEN STORING OR DISPOSING OF THIS SUBSTANCE. EPA HAZARDOUS WASTE  
NUMBER D003. 100 POUND CERCLA SECTION 103 REPORTABLE QUANTITY (PER  
MSDS).

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ation by the compiling agencies):

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