

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

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 Measu

res =====

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 Fight
ing 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 O
R 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 P

recautions: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.

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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.

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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.

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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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