

FISHER SCIENTIFIC -- SO-M-52, SM54500 -- 6810-00-431-7749

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

Product ID:SO-M-52, SM54500

MSDS Date:11/14/1985

FSC:6810

NIIN:00-431-7749

MSDS Number: BLTYW

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

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

Prep

arer's Name:GASTON L PILLORI

CAGE:1B464

=== Contractor Identification ===

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

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

Ingred Name:BENZENESULFONIC ACID, P-((P-(DIMETHYLAMINO)PHENYL) AZO-,
SODIUM SALT; (METHYL ORANGE)

CAS:547-58-0

RTECS #:DB6327000

Fraction by Wt: 0.05-.1%

Ingred Name:ACETIC ACID, (ETHYLENEDIN

ITRILO) TETRA-, TETRA SODIUM SALT;
(TETRASODIUM ETHYLENE DIAMINE TETRAACETATE)

CAS:64-02-8

RTECS #:AH5075000

Fraction by Wt: 0.005%

Ingred Name:ACETIC ACID, (ETHYLENEDINITRILO)TETRA-, DISODIUM SALT,
DIHYDRATE; (ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT)

CAS:6381-92-6

RTECS #:AH4410000

Fraction by Wt: 0.008%

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 99.9%

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

LD50 LC50 Mixture:NONE SPECIFIED

BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:(ACUTE) INHAL: NO DATA AVAILABLE. MAY
BE IRRITATING. SKIN: NO DATA AVAILABLE. MAY BE IRRITATING. EYE:
UREASE: NO DATA AVAILABLE. INGEST: NO DATA AVAILABLE. MAY CAUSE GI
IRRITATION. NO SYSTEMIC EFTS RE PORTED IN HUMANS. (CHRONIC) INHAL:
NO DATA AVAILABLE. SKIN: NO DATA AVAILABLE. EYE: UREASE: NO DATA
AVAILABLE.

Explanation

of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:REMOVE FROM EXPOS AREA TO FRESH AIR IMMED. IF BRTHG
STOP, PERFORM ARTF RESP. KEEP PERSON WARM & AT REST. GET MD IMMED.
SKIN:REMOVE CONTAM CLTHG & SHOES IMMED. WASH AFFECTED AREA W/SOAP/
MILD DET ERGENT & LRG AMTS OF WATER UNTIL NO EVIDENCE OF CH

EM

REMAINS (APPROX 15-20 MIN). GET MD IMMED. EYE:IMMED FLUSH W/POTABLE WATER FOR A MINIMUM OF 15 MIN, SEEK ASSISTANCE FROM MD . (SEE SUPP DATA)

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

Flash Point:WILL NOT BURN

Extinguishing Media:DRY CHEMICAL, CO2, WATER SPRAY OR FOAM. FOR LRG FIRES, USE WATER SPRAY, FOG OR ALCOHOL FOAM.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROT EQUIPMENT . NO ACUTE HAZARD. MOVE CONTAINER FROM FIRE AREA IF

POSSIBLE. AVOID BREATHING VAPS/MISTS; KEEP UPWIND.

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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

Spill Release Procedures:ABSORB WITH VERMICULITE OR OTHER SUITABLE MATERIAL. PLACE IN A SUITABLE CONTAINER (PLASTIC), FOR LATER DISPOSAL. KEEP OUT OF SEWERS, WATERWAYS AND WATER SOURCES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:DO NOT WEAR CONTACT LENSES WHEN WORKING WITH CHEMICALS.

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

Respiratory Protection:NONE REQUIRED FOR THE PROPOSED USE OF THIS CHEMICAL. NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:PROVIDE GENERAL DILUTION VENTILATION.

Protective Gloves:PROTECTIVE GLOVES ARE RECOMMENDED.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRST AID PROC: INGEST: IF VICTIM IS CONSCIOUS, IMMEDIATELY GIVE 2 TO 4 GLASSES OF WATER, AND INDUCE VOMITING BY TOUCHING FINGER TO BACK OF THROAT. GET MD IMMEDIATELY.

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

HCC:N1

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Tex

t:32.0F,0.0C
Vapor Pres:14
Vapor Density:0.7(WATER)
Spec Gravity:1.0
Evaporation Rate & Reference:>1 (ETHER = 1)
Solubility in Water:COMPLETE
Appearance and Odor:ORANGE RED LIQUID.

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

Stability Indicator/Materials to Avoid:YES
WATER-REACTIVE AND OTHER SUBSTANCES, EXAMPLES FOLLOW: OLEUM, SODIUM.
Stability Condition to Avoid:AVOID CONTACT WITH OR STORAGE WITH
INCOMPATIBLE MATERIALS.
Hazardous Decomposition Products:THIS HAZ
ARD IS NEGLIGIBLE.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL,
STATE AND LOCAL REGULATIONS .

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