

FISHER SCIENTIFIC CO;CHEMICAL MFG DIV -- ST16 500 METHYL RED SOLUTION --  
6810-00-285-4331

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

Product ID:ST16 500 METHYL RED SOLUTION

MSDS Date:06/05/1995

FSC:6810

NIIN:00-285-4331

MSDS Number: BDTNW

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO;CHEMICAL MFG DIV

Address:1-REAGENT LN

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-710

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Emergency Phone Num:201-796-7100

CAGE:1B464

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

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:METHYL ALCOHOL (MET

HANOL) (SARA III)  
CAS:67-56-1  
RTECS #:PC1400000  
Fraction by Wt: 99.98%  
OSHA PEL:S,200PPM/250STEL  
ACGIH TLV:S,200PPM/250STEL; 93  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL RED  
CAS:493-52-7  
RTECS #:DG8960000  
Fraction by Wt: 0.02%

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===== Hazards Identification =====  
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LD50 LC50 Mixture:ORALRAT 5628 MG/KG:SKIN RABBIT:20MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Haza

rds Acute and Chronic:CAUSES MODERATE EYE IRRITATION. MAY

CAUSE PAINFUL SENSITIZATION TO LIGHT. MAY CAUSE SKIN IRRITATION.  
MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. MAY BE FATAL  
OR CAUSE BLINDNESS IF SWALLOWED. MAY CAUSE IRRITATION OF DIGESTIVE  
TRACT. MAY CAUSE RESPIRATORY FAILURE. MAY CAUSE RESPIRATORY TRACT  
IRRITATION.

Explanation of Carcinogenicity:ACGIH-A2 SUSPECTED HUMAN CARCINOGEN;  
NIOSH-OCCUPATIONAL CARCINOGEN; NTP-SUSPECT CARCINOGEN; IARC- GROUP  
3  
CARCINOGEN.

Effects of Overexposure:EYE IRRITATION, SENSITIZATION TO LIGHT, SKIN  
IRRITATION, RESPIRATORY IRRITATION, DEATH, BLINDNESS, RESPIRATORY  
FAILURE, VASCULAR COLLAPSE/DAMAGE, KIDNEY FAILURE, CENTRAL NERVOUS  
SYSTEM DEPRESSION, DER MATITIS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====  
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First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS  
OPEN. GET MEDICAL ATTENTION.

SKIN: REMOVE CONTAMINATED CLOTHING.

WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: IF CONSCIOUS, GIVE 2-4 CUPFULS OF MILK OR WATER. GET MEDICAL AID IMMEDIATELY. INDUCE VOMITING BY GIVING 1 TSP IPECAC.

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

Flash Point:52.0F,11.1C

Lower Limits:6 %

Upper Limits:36 %

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR ALCOHOL-RESISTANT FOAM.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard:VAPOR IS FLAMMABLE AND HEAVIER THAN AIR AND MAY TRAVEL TO SOURCE OF IGNITION AND FLASHBACK. HIGHLY TOXIC GASES MAY BE GENERATED DURING A FIRE.

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

Spill Release Procedures:

SCOOP UP WITH NON-SPARKING TOOL. PLACE IN A SUITABLE CONTAINER FOR DISPOSAL. USE WATER SPRAY TO DISPERSE GAS/VAPOR. REMOVE ALL SOURCES OF IGNITION. ABSORB SPILL USING ABSORBENT, NON-COMBUSTIBLE MATERIAL SUCH AS EARTH, SAND.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP AWAY FROM SOURCE OF IGNITION. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. USE WITH ADEQUATE VENTILATION.

Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE.

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

Respiratory Protection:IF VENTILATION EQUIPMENT IS NOT SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW LIMITS, A NIOSH

H APPROVED

RESPIRATOR SHOULD BE WORN.

Ventilation:LOCAL EXHAUST TO MAINTAIN TLV/PEL BELOW THE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

REMOVE CON

TAMINATED CLOTHING AND WASH BEFORE REUSE. DO NOT GET ON SKIN OR IN EYES. DO NOT INGEST OR INHALE.

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

HCC:F3

Boiling Pt:B.P. Text:149F/65C

Melt/Freeze Pt:M.P/F.P Text:-144F,-98C

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:100

Vapor Density:1.1

Spec Gravity:0.79

Evaporation Rate & Reference:> 1 (NO REFERENCE GIVEN)

Solubility in Water:COMPLETE

Appearance and Odor:RED LIQUID, ALCOHOL ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDNANTS, ACTIVE METALS, ACETYL BROMIDE, ALKYL ALUMINUM SALTS,  
BERYLLIUM DIHYDRIDE, CARBON TETRACHLORIDE + METALS

Stability Condition to Avoid:EXTREME TEMPERATURES AND PRESSURES,  
SOURCES OF IGNITIONS

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,  
FORMALDEHYDE.

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

Waste Disposal Methods:DISPOSE OF COLLECTED MATERIAL IN AC

CORDANCE WITH  
LOCAL, STATE AND FEDERAL REGULATIONS.

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