

MS-162 T-P 35 FREON SOLVENT

MSDS Number

BBFMH

National Stock Number

6850-00D001823

Product Name

MS-162 T-P 35 FREON SOLVENT

Manufacturer

MILLER STEPHENSON

Product Identification

Product ID:MS-162 T-P 35 FREON SOLVENT

MSDS Date:01/01/1986

FSC:6850

NIIN:00D001823

MSDS Number: BBFMH

Responsible Party

MILLER-STEPHENSON

GEORGE WASHINGTON HIGHWAY

DANBURY , CT 06810

US

Emergency Phone: 203-797-2212

Info Phone: 203-743-4447

Preparer: JANET STEPHENS

Cage: 18598

Contractor

MILLER-STEPHENSON CHEMICAL CO INC

950

DANBURY, CT 06810

US

203-743-4447

Cage: 18598

Ingredients

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

Fraction By Weight: 35.0%

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA

CAS: 76-13-1

RTECS: KJ4000000

Fraction By Weight: 64.7%

OSHA PEL1000PPM/1250STEL

ACGIH TLV: 1000PPM/1250STEL9192

NITROMETHANE

CAS: 75-52-5

RTECS: PA9800000

Fraction By Weight: 0.3%

OSHA PEL100 PPM

ACGIH TLV: 100 PPM; 9192

Hazards

LD50 LC50 Mixture:NITROMETHANE(ORAL RAT 5,840MG/KG)

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

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

Health Hazards Acute and Chronic:ACUTE: LIGHT-HEADEDNESS, RESPIRATORY IRRITATION, DERMATITIS.

Effects of Overexposure:EYES: IRRITANT; SKIN: DEFATS W/IRRITATION RESULTING W/ REPEATED CONTACT; INHAL: LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, IRRITATION OF UPPER RESPIRATORY PASSAGES; BREATHING HI-CONC. MAY LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.

Medical Cond Aggravated by Exposure:PRESENCE OF CARDIOVASCULAR DISEASE WILL CAUSE DISPLAY OF CARDIAC IRREGULARITIES IN A SHORTER TIME PERIOD WHEN VAPORS ARE INHALED.

First Aid

First Aid:EYES: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN- GET MED. ATTN; SKIN: FLUSH W/WATER. GET MED. ATTN. IF IRRITAT. PERSENT; INHAL: REMOVE TO FRESH AIR- GIVE O*2/CPR AS SITUATION DICTATES; G ET MED. ATTN.; DONOT GIVE EPINEPHRINE OR SIMILAR DRUGS. BECAUSE OF INCREASED RISK OF ELICITING CARDIAC DYSRYTHMIAS,CATECHOLAMINE CONSIDERED AS A LAST RESORT IN LIFE-SAVING.; ORAL:DONOT INDUCE VMT.

Fire Fighting

Flash Point:NONE TO BOIL//

Lower Limits:NON-FLAMM.

Upper Limits:NON-FLAMM.

Extinguishing Media:NON-FLAMMABLE;USE SUITABLE MEDIA FOR SURROUNDING FIRE

Fire Fighting Procedures:ADDITION OF EXCESS WATER WILL EXTRACT ISOPROPYL ALCOHOL & MAY FORM A FLAMM. SUPERNATANT LAYER. "SCBA" MAY BE NEEDED IF CONTAINERS RUPTURE & CONTENTS SPILLED

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR.

Accidental Release

Spill Release Procedures:USE PROPER PERSONAL PROTECTION. VENTILATE AREA.DO NOT FLUSH INTO SEWERS,DIKE SPILL;COLLECT ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUM FOR RECOVERY OR DISPOSAL.

Handling

Handling and Storage Precautions:STORE IN COOL, DRY AND WELL VENTILATED AREA.DO NOT HEAT ABOVE 125F.SHELF LIFE ONE YEAR,ROTATE STOCK.

Other Precautions:AVOID CONTACT WITH SKIN AND EYES.DO NOT BREATHE VAPORS.WASH THOROUGHLY AFTER EACH USE.

Exposure Controls

Respiratory Protection:NIOSH APPRVD RESPIRATORY PROTECT. IF TLV IS EXCEEDED.; FOR ISOPROPYL ALCOHOL TO 1000 PPM CONC:ANY POWERED AIR-PURIFYING RESPIRATOR W/ORGANIC VAPOR CARTRIDGE/ANY CHEM.

CARTRIDGE RESPIR. W/FULL FACEPIEC E & ORGANIC VAPOR CARTRIDGE.////
"SCBA"
Ventilation:NORM. VENTL. FOR STD. MFR. PROCEDURE IS GENERALLY ADEQUATE.
PROVIDE MECHAN(GEN/LOCAL EXHAUST) VENT TO MAINTAIN < TLV.
Protective Gloves:BUTYL RUBBER
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE
WASH STATION
Work Hygienic Practices:AVOID BREATHING VAPORS & PROLONGED SKIN
EXPOSURES. USE ONLY IN WELL VENTILATED AREAS.
Supplemental Safety and Health
MSDS DATE REVISED:01/86;OTHER PHONE #203-743-4447

Chemical Properties

HCC:V7
Boiling Pt:=48.9C, 120.F
Vapor Pres:151 @ 77F
Vapor Density:4.9
Spec Gravity:1.15 @ 77F
Solubility in Water:MISCIBLE
Appearance and Odor:CLEAR,COLORLESS LIQUID; SLIGHT SOLVENT ODOR
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
ALKAL,ALKALINE EARTH METALS,POWDERED AL,ZN,BE,ETC.
Stability Condition to Avoid:OPEN FLAME,HIGH TEMPERATURES
Hazardous Decomposition Products:DECOMPOSITION VIA HI-TEMP(OPEN
FLAMES,GLOWING METAL SURFACES,ETC.) FORMING HCL, HF & POSSIBLE
CARBONYL HALIDES.

Disposal

Waste Disposal Methods:COMPLY W/FEDERAL, STATE, & LOCAL REGULATIONS.
REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY. EPA HAZ. WASTE NO.
F001 & F002 MAY APPLY TO WASTE MATERIALS.

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