

FREON 113

MSDS Number

BFGKB

National Stock Number

6830-00-584-2957

Product Name

FREON 113

Manufacturer

E I DUPONT DE NEMOURS AND CO

Product Identification

Product ID:FREON 113
MSDS Date:01/01/1987
FSC:6830
NIIN:00-584-2957
MSDS Number: BFGKB

Responsible Party

E. I. DUPONT DE NEMOURS & CO.
Emergency Phone: 302-774-2421
Cage: 73925

Contractor

E.I. DUPONT DE NEMOURS & CO
WILMINGTON, DE 19898
US
800-441-7515;800-441-9442
Cage: 18873

Ingredients

1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA
CAS: 76-13-1
RTECS: KJ4000000
Fraction By Weight: 100%
OSHA PEL1000PPM/1250STEL
ACGIH TLV: 1000PPM/1250STEL9192

Hazards

Effects of Overexposure:LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BRTH,
POSS NARCOSIS & CARDIAC ARRHYTHMIAS AT HIGH CONC

First Aid

First Aid:INH: REMOVE TO FRESH AIR, CALL MD. DO NOT GIVE EPINEPHRINE OR
SIMILAR DRUGS. SKIN/EYE: FLUSH W/WATER.

Fire Fighting

Flash Point:NONE
Extinguishing Media:NONFLAMMABLE
Fire Fighting Procedures:SELF-CONTAINED BRTHNG APPAAR FOR VAPORS &
FUMES
Unusual Fire/Explosion Hazard:NONE

Accidental Release

Spill Release Procedures: VENTILATE AREA - ESPECIALLY LOW PLACES WHERE HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES & OTHER IGNIT SOURCES. FOR LG SPILLS THOSE CLEANING UP MAY REQUIRE APPRVD SELF-CONTAINED BRTHNG APPAR.

Handling

Handling and Storage Precautions: STORE CONTAINERS IN A CLEAN, DRY AREA. DO NOT HEAT ABOVE 125F. KEEP IN WELL VENTILATED PLACE. NO SMOKING IN AREAS OF USE.

Other Precautions: VAPORIZATION OF EXCESS AMTS OF PROD CAN DEplete/REPLACE O*2 NEC FOR BREATH. IN CONFINED/ENCLOSED SPACES OR W/LITTLE VENT THIS MAY BE HEALTH HAZ. HIGH CONC MAY INDUCE CARDIAC ARRHYTHMIAS.

Exposure Controls

Respiratory Protection: USE NIOSH/MSHA APPRVD AIR MASKS IN HIGH CONC

Ventilation: SUFFICIENT WHEN LG AMTS ARE RELEASED, ESP IN LOW AREA

Protective Gloves: YES

Eye Protection: YES

Other Protective Equipment: PROVIDE EYEWASH STATIONS WHERE SPLASHING IS POSSIBLE

Supplemental Safety and Health

Chemical Properties

HCC: N1

NRC/State Lic Num: NA

Boiling Pt: B.P. Text: 117.6F

Vapor Pres: 334

Vapor Density: 2.9N

Spec Gravity: 1.57

Evaporation Rate & Reference: 0.3 (CCL*4)

Solubility in Water: EGLIGIBLE

Appearance and Odor: COLORLESS LIQUID, SLIGHT ETHER ODOR

Percent Volatiles by Volume: 100

Stability

Stability Indicator/Materials to Avoid: YES

ALKALI OR ALKALINE EARTH METALS - POWDERED AL, ZN, BE, ETC.

Stability Condition to Avoid: OPEN FLAMES OR HIGH TEMPERATURES

Hazardous Decomposition Products: HYDROCHLORIC & HYDROFLUORIC ACIDS - POSS PHOSGENE

Disposal

Waste Disposal Methods: MFR RECM EVAPORATE OUTDOORS. DISPOSE W/ FED, STATE AND LOCAL CODES.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.