

FREON 113

MSDS Number

BBFYL

National Stock Number

6810-00F000143

Product Name

FREON 113

Manufacturer

TEXWIPE CO

Product Identification

Product ID:FREON 113
MSDS Date:01/01/1987
FSC:6810
NIIN:00F000143
MSDS Number: BBFYL

Responsible Party

TEXWIPE CO
650 E CRESENT AVE
UPPER SADDLE RIVER , NJ 07458-1827
US
Emergency Phone: 201-327-9100
Info Phone: 201-327-9100
Cage: 21994

Contractor

TEXWIPE CO
308
UPPER SADDLE RIVER, NJ 07458-1827
US
201-327-5577
Cage: 21994

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS NEITHER CORROSIVE NOR AN
IRRITANT. IT WILL DEFAT & DRY SKIN,POSSIBLY CAUSING DERMATITIS.
VAPOR IS HEAVIER THAN AIR AND CAN CAUSE SUFFOCATION BY REDUCING
OXYGEN AVAILABLE FOR BREATHING.
Explanation of Carcinogenicity:FREON 113 IS NOT LISTED AS A CARCINOGEN
BY IARC, NTP OR OSHA.

Effects of Overexposure: BREATHING HIGH CONCENTRATIONS OF VAPOR MAY CAUSE LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, AND MAY LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. LIQUID CAN CAUSE DEFATTING OF TISSUE.

Medical Condition Aggravated by Exposure: SKIN DISEASE - FREON 113 IS A DEFATTING AGENT AND CAN CAUSE DERMATITIS ON PROLONGED EXPOSURE. PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS AGENT.

First Aid

First Aid: EYE: FLUSH W/ WATER 15 MIN HOLD LIDS OPEN SEE A DOCTOR. SKIN: WASH WITH SOAP & WATER. TREAT FOR FROST-BITE IF NEEDED. INHALED: REMOVE TO FRESH AIR. RESTORE BREATHING, AS NEEDED. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. INGESTED: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL CARE. IF IRRITATION PERSISTS, OR IS SEVERE, SEE A DOCTOR.

Fire Fighting

Flash Point: NON-FLAMMABLE
Extinguishing Media: PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.
Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard: FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

Accidental Release

Spill Release Procedures: VENTILATE AREA. DO NOT FLUSH INTO SEWERS. COLLECT ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL.
Neutralizing Agent: NONE

Handling

Handling and Storage Precautions: STORE IN A CLEAN, COOL, DRY AND WELL-VENTILATED AREA OF LOW FIRE RISK. PROTECT CONTAINERS FROM PHYSICAL DAMAGE AND KEEP CLOSED.
Other Precautions: TANK-CLEANING PERSONNEL SHOULD USE ONLY FORMAL TANK ENTRY PROCEDURE BASED ON RECOGNIZED SAFETY PRINCIPLES. APPLY ALL SAFETY PRECAUTIONS TO EMPTY CONTAINERS AS THEY MAY CONTAIN PRODUCT RESIDUES/VAPORS.

Exposure Controls

Respiratory Protection: RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR SELF CONTAINED BREATHING APPARATUS IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.
Ventilation: PROVIDE LOCAL EXHAUST AT FILLING ZONES AND OTHER OPERATING SPACES WHERE LEAKAGE IS PROBABLE. MECHANICAL FOR OTHER.
Protective Gloves: LINED BUTYL RUBBER, PVA OR NEOPRENE
Eye Protection: SAFETY GLASSES OR SPLASH GOGGLES
Other Protective Equipment: USE IMPERVIOUS CLOTHING IF THERE IS DANGER OF REPEATED OR PROLONGED CONTACT WITH LIQUID.
Work Hygienic Practices: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID CONTACT. REMOVE AND WASH CLOTHING PROMPTLY UPON CONTAMINATION.
Supplemental Safety and Health
HONEYWELL FEDERAL SYSTEMS SUPPLIED THIS MATERIAL (NO NSN) AND AN MSDS FROM TEXWIPE COMPANY. MSDS WAS OSHA FORM 20 AND OF POOR QUALITY EVEN FOR A FORM 20. CONTRACT AT DGSC WAS DLA400-88-A-B5360133.

Chemical Properties

HCC: N1
Boiling Pt: B.P. Text: 117F, 47C
Vapor Pres: 334 MM
Vapor Density: 2.9
Spec Gravity: 1.57
Evaporation Rate & Reference: 0.3 CARBON TETRACHLORIDE

Solubility in Water:0.02%
Appearance and Odor:CLEAR, COLORLESS LIQUID, SLIGHTLY ETHEREAL ODOR
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
ALKALI OR ALKALINE EARTH METALS AND POWDERED REACTIVE METALS SUCH AS
ALUMINUM AND ZINC
Stability Condition to Avoid:HIGH TEMPERATURES, AND OPEN FLAMES
Hazardous Decomposition Products:DECOMPOSED BY HIGH TEMPERATURES (OPEN
FLAMES, GLOWING METAL SURFACES, ETC.) FORMING HYDROCHLORIC AND
HYDROFLUORIC ACIDS.

Disposal

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL
REGULATIONS. MANUFACTURER SUGGESTS THAT RECLAIMATION BY
DISTILLATION OR DISPOSAL BY A PERMITTED FACILITY.

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.