View NSN Online: https://aerobasegroup.com/nsn/6850-00-144-4955

Product ID:FREON 113, 8500-1251 MSDS Date:10/30/1991 FSC:6830 NIIN:00-144-4955 MSDS Number: CDLQH === Responsible Party === Company Name: E I DUPONT DE NEMOURS & CO INC Address:1007 MARKET ST City:WILMINGTON State:DE ZIP:19898 Country:US Info Phone Num:800-441-9442 **Emergency Phone Num:800-**441-3637;800-424-9300(CHEMTREC) Preparer's Name:WJ BROCK CAGE:0ERJ7 === Contractor Identification === Company Name: EI DUPONT DE NEMOURS & CO, INC. Address:1007 MARKET STREET **City:WILMINGTON** State:DE ZIP:19898 Country:US Phone:800-441-7515 CAGE:0ERJ7 Company Name: E.I. DUPONT DE NEMOURS & CO Address:1007 MARKET STREET Box:City:WILMINGTON State:DE ZIP:19898 Country:US Phone:800-441-7515;800-441-9442 CAGE:18873

Ingred Name:1,1,2

-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA 313) CAS:76-13-1 RTECS #:KJ4000000 Fraction by Wt: 100% OSHA PEL:1000 PPM ACGIH TLV:1000PPM/1250STEL Ozone Depleting Chemical:1

Ingred Name:SUP DAT: SKIN CONT MAY INCL MILD SKIN IRRIT W/DISCOMFORT/RASH. PRLNG SKIN CONT MAY CAUSE TEMPORARY TINGLING, (ING 3) RTECS #:9999999ZZ

Ingred Name:ING 2: NUMBNESS, COLDNESS/DRYING OF SKIN. THERE ARE NO RPTS OF HUMAN SKIN SENSIT. EYE CONT MAY INCL IRRIT WITH (ING 4) RTECS #:9999999ZZ

Ingred

Name:ING 3: DISCOMFORT, TEARING/BLURRING OF VISION. MAJOR INGEST HAZ IS ASPIR OF LIQ INTO LUNG WHICH MAY RSLT IN "CHEM(ING 5) RTECS #:9999999ZZ

Ingred Name:ING 4: PNEUMONIA". SYMPS INCL COUGHING, GASPING, CHOKING, SHORTNESS OF BRTH, BLUISH DISCOLORATION OF SKIN, RAPID (ING 6) RTECS #:9999999ZZ

Ingred Name:ING 5: BRTHG & HEART RATE, & FEVER. PULM EDEMA/BLEEDING, DROW, CONFUSION, COMA & SEIZURES MAY OCCUR IN MORE (ING 7) RTECS #:9999999ZZ

Ingred Name:ING 6: SERIOUS CASES. SYMPS MAY DEVELOP IMMED/AS LATE AS 24 HRS AFTER EXPOS, DEPENDING ON HOW MUCH CHEM ENTERED (ING 8) RTECS #:99999992Z

Ingred Name:ING 7: LUNGS. INHAL/INGEST MAY INCL TEMPORARY NERV SYS DEPRESS W/ANESTH EFTS SUCH AS DIZZ, HDCH, CONFUSION, (ING 9) RTECS #:9999999ZZ

Ingred Name:ING 8: INCOORD, & LOSS OF CONSCIOUSNESS. HIGHER EXPOS MAY CAUSE TEMPORARY ALTERATION OF HEART'S ELEC ACTIVITY W/(ING 10) RTECS #:99999992Z

Ingred Name:ING 9: IRREG PULSE, PALPITATIONS/INADEQ CIRCULATION. FATALITY MAY OCCUR FROM GROSS OVEREXP. A STUDY EVALUATED 50(ING 11) RTECS #:9999999ZZ

Ingred Name:ING 10: WORKERS EXPOSED FOR AN AVERAGE OF OVER 2 YRS TO 46-4700 PPM. NO ADVERSE EFTS WERE FOUND EXCEPT FOR 1 (ING 12) RTECS #:9999999ZZ

Ingred Name:ING 11: CASE OF DRY SKIN. CHLOROFLUOROCARBON MATLS HAVE PRODUCED SENSIT OF THE MYOCARDIUM TO EPINEPHRINE IN LAB (ING 13) RTECS #:9999999ZZ

Ingred Name:ING 12: ANIMALS & COULD HAVE SIMILAR EFTS IN HUMANS. ADRENOMIMETICS (E.G., EPINEPHRINE) MAY BE CONTR AINDICATED (ING 14) RTECS #:9999999ZZ

Ingred Name:ING 13: EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY/CHRONICALLY EXPOSED TO CHLOROFLUOROCARBONS . RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC: VOMIT. HOWEVER, CONSULT MD IF NEC. NOTES TO MD: BECAUSE OF POSS DISTURBS OF CARD RHYTHM, (ING 16) RTECS #:9999999ZZ

Ingred Name:ING 15: CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD ONLY BE USED WITH SPECIAL CAUTION IN SITUATIONS OF (ING 17) RTECS #:9999999ZZ

Ingred Name:ING 16: EM ERGENCY LIFE SUPPORT. RTECS #:99999992Z

Ingred Name:VENT: AMOUNTS ARE RELEASED. MECHANICAL VENTILATION SHOULD BE USED IN LOW OR ENCLOSED PLACES. RTECS #:9999999ZZ

Ingred Name:SPILL PROC: USE NIOSH APPRVD SCBA FOR LGE SPILLS. COMPLY W/FED, STATE, & LOC REGS ON REPORTING RELEASES. RTECS #:99999992Z

LD50 LC50 Mixture:LD50 (ORAL RAT): 43,000 MG/KG. Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carc inogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHAL OF HIGH CONCS OF VAP IS HARMFUL & MAY CAUSE HEART IRREGULARITIES, UNCON/DEATH. INTENTIONAL MISUSE/DELIBERATE INHAL MAY CAUSE DEATH W/OUT WARNING. VAP REDUCES OXYGEN AVAIL FOR BRTHG & IS H VR/AIR. THE CMPD IS A MILD SKIN & EYE IRRIT, & PRODUCED WEAK ALLERGIC SKIN SENSIT IN LAB ANIMALS. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: EFTS IN ANIMA

LS FROM HIGH SINGLE

INHAL EXPOS INCL ANESTH EFTS SUCH AS TREMORS, DIZZ, INCOORD, & LOSS OF CONSCIOUSNESS, & IRREGULAR HEARTBEAT. RPTD EXPOS AT HIGH CONCS ALSO PRODUCED CNS EFTS DURING EXPOS BUT NO EVIDENCE OF OTHER SYSTEMIC TOX. HIGH, SINGLE ORAL ADMIN OF LIQ, AT/NEAR LETHAL DOSES, (SUP DAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid:INHAL: IF HIGH CONCS ARE INHALED, IMM ED REMOVE TO FRESH AIR;

KEEP CALM. IF NOT BRTHG, GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE OXYGEN. CALL MD. SKIN: FLUSH W/PLENTY OF WATER FOR 15 MIN. GET MED ATTN IF IRRIT IS PRESENT. EYES: IMMED FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN. CALL MD. INGEST: NO SPECIFIC INTERVENTION IS INDICATED AS CMPD IS NOT LIKELY TO BE HAZ BY INGEST. DO NOT INDUCE (ING 15)

Flash Point:WILL NOT BURN

Extinguishing Medi

a:AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

Fire Fighting Procedures:WEAR NIOSH APPROVED PRESSURE DEMAND SCBA & FULL PROTECTIVE EQUIPMENT . USE WATER SPRAY OR FOG TO COOL CONTAINER.

Unusual Fire/Explosion Hazard:DRUMS MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR. THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HCL AND PHOSGENE.

Spill Release Procedures:NOTE: REVIEW FIRE & EXPLO HAZS & SFTY PREC BEF ORE PROCEEDING W/CLEAN UP. USE APPROP PERS PROT EQUIP DURING CLEAN UP. VENT AREA. DO NOT FLUSH INTO SEWERS. DIKE SPILL. COLLECT ON ABSORB MATL & TRANSFER TO STEEL DRUMS FOR RECOVERY/DISP. (ING 19) Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage Precautions: STORE IN CLEAN, DRY AREA. DO NOT HEAT ABOVE 125F.

Other Precautions:NO SMOKING IN AREA OF USE. DO NOT USE IN THE GENERAL VICINIT

Y OF ARC WELDING, OPEN FLAMES OR HOT SURFACES. HEAT AND/OR UV RADIATION MAY CAUSE THE FORMATION OF HCL AND/OR PHOSGENE .

Respiratory Protection: UNDER NORMAL USE CONDITIONS, NO RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT. NIOSH APPROVED SCBA IS REQUIRED IF A LARGE SPILL OCCURS.

Ventilation:NORMAL VENTILATION FOR STANDARD USE PROCEDURES IS GENERALLY ADEQUATE. LOCAL EXHAUST SHOULD BE USED WHEN LARGE

(ING 18)

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment: EMERGENCY EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA .

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

VP: 6.46 PSIA @ 77F. HAZ DECOMP PROD: FORMING HYDROCHLORIC & HYDROFLUORIC ACIDS, & POSS CARBONYL HALIDES. PHOSGENE . EFTS OF OVEREXP: PRODUCED LETHARGY W/IN SEVERAL MIN. IN A REPRO TOX STUDY IN RATS, ONLY M

IN EFTS (SLIGHT DECR IN CORPORA LUTEA) WERE OBSERVED AT 12,5000 PPM. HUMAN HLTH EFTS OF OVEREXP BY (ING 2)

Boiling Pt:B.P. Text:118F,48C Vapor Pres:SUP DAT Vapor Density:2.9 Spec Gravity:1.77 pH:NEUT Evaporation Rate & amp; Reference:>1 (CCL*4=1) Solubility in Water:0.02% Appearance and Odor:CLEAR, COLORLESS LIQUID, SLIGHT ETHEREAL ODOR

Stability Indicat

or/Materials to Avoid:YES INCOMPATIBLE WITH ALKALI OR ALKALINE EARTH METALS-POWDERED ALUMINUM, ZINC, BERILLYUM, ETC. Stability Condition to Avoid:AVOID OPEN FLAMES AND HIGH TEMPERATURES. Hazardous Decomposition Products:DECOMP PRODS ARE HAZ. THIS CMPD CAN BE DECOMPOSED BY HIGH TEMPS (OPEN FLAMES, GLOWING METAL SURF, ETC), (SUP DAT)

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY. EPA HAZARDOUS WASTE # F001 AND F002 MAY APPLY TO WASTE MATERIALS.

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