View NSN Online: https://aerobasegroup.com/nsn/6830-00-782-3930 ALLIED-SIGNAL INC-ENGINEERED MATERIALS SECTOR GENETRON --CHLORODIFLUOROMETHANE -- 6830-00-782-3930 Product ID:GENETRON 22 CHLORODIFLUOROMETHANE MSDS Date:11/01/1990 FSC:6830 NIIN:00-782-3930 Status Code:A **MSDS Number: CKCTF** === Responsible Party === Company Name: ALLIED-SIGNAL INC- ENGINEERED MATERIALS SECTOR Box:1139R City:MORRISTOWN State:NJ ZIP:07962-1139 Country:US Info Phone Num:201-455-4157/201-455-2000 Emergency Phone Num:201-455-2000 CAGE:05VM8 === Contractor Identification === Company Name: ALLIED-SIGNAL INC Address:101 COLUMBIA RD Box:1053 City:MORRISTOWN State:NJ ZIP:07962-1053 Country:US Phone:201-455-4157/201-455-2000 CAGE:05VM8 Company Name: REFRIGERANT RECLAIM SERVICES INC / DBA FULL CYCLE Address:121 S NORWOOD DR Box:City:HURST State:TX ZIP:76053 Country:US Phone:817-282-0022 Contract Num:SP0450-00-M-B862 CAGE:0YD89

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mposition/Information on Ingredients ==========

Ingred Name:MONOCHLORODIFLUOROMETHANE CAS:75-45-6 RTECS #:PA6390000 = Wt:100. ACGIH TLV:3540 MG/M3;1000 PPM Ozone Depleting Chemical:2

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:INHALATION:THIS MATERIAL IS LOW IN

TOXICITY AT CONCENTRATIONS AS HIGH AS 4%(40,000 PPM). WHEN OX YGEN

LEVELS IN AIR ARE REDUCED TO 12-14%, SYMPTOMS OF ASPHYXIATION WILL OCCUR :LOSS OF COORDINATION, INC REASED PULSE RATE, AND DEEPER RESPIRATION. NARCOTIC EFFECTS HAVE BEEN SEEN AT 2000,000PPM. INGESTION:NOT APPLICABLE, SINCE MATERIAL IS GASEOUS AT NORMAL TEMPERATURE AND PRESSURE. SKIN:CONTACT WITH LIQ UID OR ESCAPING VAPOR CAN CAUSE FROSTBITE,INDICATED BY PALOR OR REDNESS, LOSS OF SENSATION OR SWWELLING. EYES:SAME HAZARDS AS FOR SKIN.

Explanation of Carcinogenicity

:NONE LISTED.

Effects of Overexposure:INHALATION:WHEN OXYGEN LEVELS IN AIR ARE REDUCED TO 12-14%, SYMPTOMS OF ASPHYXIATION WILL OCCUR: LOSS OF COORDINATION, INCREASED PLUSE RATE, AND DEEPER RESPIRATION. INGESTION:NOT APPLICABLE, SINCE MAT ERIAL IS GASEOUS AT NORMAL TEMPERATURE AND PRESSURE. SKIN:CONTACT WITH LIQUID OR ESCAPING VAPOR CAN CAUSE FROSTBITE, INDICATED BY PALLOR OR REDNESS, LOSS OF SENSATION AND SWELLING.

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First Aid:INHALATION:REMVOE IMMEDIATELY TO FRESH AIR. IF BREATHING IS STOPPED, GIVE ARTIFICIAL RESPITRATION, PREFERABLY MOUTH-TO-MOUTH. USE OXYGEN AS REQUIRED,PROVIDED A QUALIFIED OPERATOR IS AVAILABLE. DO NOT GIVE EPINEPHRINE(ADRENALINE). SKIN AND EYE CONTACT:IMMEDIATELY BATHE (DO NOT RUB) ANY FROSTBITE WITH LUKEWARM (NOT HOT) WATER. IN THE ABSENCE OF WATER, COVER WITH SOFT WOOL OR OTHER SUITABLE MATERIAL. CONTACT A PHYSICIAN FOR ANY LOW TEMPERATURE

BURNS FROM LIQUID CONTACT. INGESTION: THIS IS IMPROBABLE DUE TO THE LOW (-40.8C) BOILING POINT.

Flash Point:NON-FLAMMABLE

Extinguishing Media: ANY STANDARD AGENT--CHOOSE THE ONE MOST SUITABLE FOR SURROUNDING FIRE. THIS MATERIAL ITSELF IS NOT FLAMMABLE.

Fire Fighting Procedures:ALTHOUGH NOT FLAMMABLE, WHEN THIS MATERIAL IS IN A FIRE, FIREFIGHTERS SHOULD WEAR SELF-CONTAINED, NIOSH-APPROVED BREATHING APPARATUS FOR

PROTECTION AGAINST SUFFOCATION AND POSSIBLE

TOXIC DECOMPOSITION PRODUCTS. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:WHILE NOT COMBUSTIBLE ITSELF, CONTACT WITH CERTAIN METALS AND OXIDIZING MATERIALS (SEE SECTION G) MAY PRODUCE EXOTHERMIC REACTIONS OR POTENTIAL EXPLOSIVE COMBINATIONS. SEE SECTION K:GENETRON 22/AIR MI XTURES UNDER PRESSURE;AND SECTION G; TOXIC DECOMPOSITION PRODUCTS.

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

Spill Release Procedures: USING A SELF-CONTAINED AIR SUPPLY AND PROTECTION AGAINST FROSTBITE, PERSONNEL SHOULD ATTEMPT TO CLOSE VALVES OR REPAIR SOURCE OF LEAK WITHOUT RISK. IF A LARGE QUANTITY IS RELEASED, EVACUATE PERSONNEL AND ALLOW TO DISSIPATE. (NOTE SECTIONS FOR HEALTH HAZARDS INVOLVED WITH INHALATION AND CONTACT EXPOSURE.)

Handling and Storage Precautions:STORE IN A COOL, DRY, WE LL-VENTILATED

AREA AWAY FROM HEAT, FLAME OR COMBUSTIBLES. PROTECT CYLINDER AND ITS FITTINGS FROM PHYSICAL DAMAGE. STORAGE IN SUBSURFACE LOCATIONS SHOULD BE AVOIDED. SEE REFEREN CE (D) FOR FURTHER DETAILS ON STORAGE..

Other Precautions: THIS PRODUCT CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY IF NOT HANDLED PROPERLY. FOLLOW OSHA REGULATIONS FOR COMPRESSED GASES (29 CFR 1910.101) AND REFERENCE (D) FOR CYLINDER HANDLING. IF USE IN PRESS URE TESTING IS CONTEMPLATED, IT IS Respiratory Protection:NONE GENERALLY REQUIRED FOR NORMALLY VENTED SITUATIONS. FOR UNUSUAL SITUATIONS, WEAR A SUPPLIED-SIR RESPIRATOR OR A SELF-CONTAINED BREATHING APPARATUS. NIOSH-APPROVED. AT HIGH CONCENTRATIONS, ADD A FU LL FACEPIECE..

Ventilation: VENTILATION SHOULD BE ADEQUATE TO MEET TLV REGUIREMENTS AND MINIMIZE EXPOSURE SHOULD MATERIAL BE RELEASE

D INTO THE ATMOSPHERE.

PROVIDE LOCAL EXHAUST AT FILLING

Protective Gloves:WEAR PROTECTIVE, IMPERVIOUS GLOVES WITH PVA OUTER LAYER(2ND CHOICE:NEOPRENEI

Eye Protection:WEAR CHEMICAL SAFETY GOGGLES IF THERE IS ANY REASONABLE POSSIBILITY OF CONTACT

Other Protective Equipment: IMPERVIOUS SHOES AND CLOTHING SHOULD ALSO BE WORN WHERE LEAKAGE IS POSSIBLE. GLOVES, CLOTHING AND SHOES SHOULD BE THERMALLY INSULATED TO PREVENT FREEZING. PROVIDE CONVENIENT WATER SOURCE FOR FIRST-AID

Su

pplemental Safety and Health

SYNONYMS: FLUOROCARBON 22; REFRIGERANT 22; PROPELLANT 22.

HCC:G3 Boiling Pt:=-40.8C, -41.4F Melt/Freeze Pt:=-160.C, -256.F Vapor Pres:136 PSIA221.1C(70F) Vapor Density:2.98 Spec Gravity:1.21 pH:NEUTRAL Evaporation Rate & amp; Reference:NA(GAS) BUAC=1 Solubility in Water:0.3@25C Appearance and Odor:COLORLESS LIQUEFIED GAS WITH FAINT ETHEREAL ODOR AT HIGHER CONCENTRATIONS. Percent Volatiles by Vo lume:100

Stability Indicator/Materials to Avoid:YES
10STRONG OXIDANTS, INCLUDING OXYGEN, GREATLY INCREASE THE RISK OF FIRE OR EXPLOSION IN CASE CONDITIONS SHOULD FAVOR SUCH. (2)ALKALI METALS, SUCH AS SODIUM; CAUSE EXOTHERMIC REACTION. (3)ALKALI EARTH METALS;SUCH AS MAGNESIUM
Stability Condition to Avoid:FLAMES, LIGHTED CIGARETTES, HOT SPOTS, WELDING. DECOMPOSES AT HIGH TEMPERATURES, YIELDING TOXIC GASES.
Hazard ous Decomposition Products:HALOGENS, HALOGEN ACIDS, CARBON DIOXIDE, CARBON MONOXIDE, AND POSSIBLY CARBONYL HALIDES SUCH AS PHOSGENE.

Ecological:SUPPLEMENT TO PSDS: GENETRON 22. PSDS#: 883.

Waste Disposal Methods:DISPOSAL OF GENETRON 22 CHLORODIFLUOROETHANE MAY BE SUBJECT TO STATE AND LOCAL REGULATIONS. USERS SHOULD REVIEW THEIR OPERATIONS I

N TERMS OF APPLICABLE STATE AND LOCAL LAWS AND REGULATIONS, THEN CONSU LT WITH APPROPRIATE REGULATORY AGENCIES BEFORE DISCHARGING OR DISPOSING OF WASTE MATERIAL.

Transport Information: DOT: PROPER SHIPPING NAME: CHLORODIFLUOROMETHANE.

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