View NSN Online: https://aerobasegroup.kr/nsn/6830-00-088-0595

ALLIED CORPORATION, CHEMICAL SECTOR -- GENETRON (R) 500 AZEOTROPE

6830-00-088-0595

============= Product Identification ========================

Product ID:GENETRON (R) 500 AZEOTROPE

MSDS Date:01/01/1986

FSC:6830

NIIN:00-088-0595

MSDS Number: BNBYH === Responsible Party ===

Company Name: ALLIED CORPORATION, CHEMICAL SECTOR

Box:1139R

City:MORRISTOWN

State:NJ ZIP:07960 Country:US

Info Phone Num:201-455-4157

Emergency Phone Num:201-455-2000 CAGE:OLYW2

=== Contractor Identification ===

Company Name: ALLIED CORPORATION, CHEMICAL SECTOR

Box:1139R

City:MORRISTOWN

State:NJ ZIP:07960 Country:US

Phone:201-455-2000

CAGE:OLYW2

Company Name: REFRIGERATION SALES CO INC

Address:38-18 33RD ST Box:City:LONG ISLAND CITY

State:NY

ZIP:11101-2211 Country:US

Phone:800-221-0603

CAGE:3A676

======= Composition/Information on Ingredients ========

Ingred Name:GENETRON(R) 12 DICHLORODIFLUOROMETHANE (VAPOR PRESSURE 70.2 PSI

G @70F)(MOLECULAR WEIGHT 120.91)(FORMULA:CCL2F2) #

CAS:75-71-8

RTECS #:PA8200000 Fraction by Wt: 73.8%

Other REC Limits: NONE SPECIFIED

OSHA PEL:1000 PPM ACGIH TLV:1000 PPM EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ozone Depleting Chemical:1

Ingred Name:# LC50 (IHL-RAT) 80 PPH/30 MIN. TLCLO (HUMAN): 200,000

PPM/30 MIN.

RTECS #:9999999ZZ

Other REC Limits: NONE SPECIFIED

Ingred Name:GENETRON (R) 152A DIFLUOROETHANE (VAPOR PRESSURE 62.5 PSIG @ 70F) (MOLECULAR WEIGHT: 66.05) (FORMULA: CH3CHF

2)##

CAS:75-37-6

RTECS #:KI1410000 Fraction by Wt: 26.2%

Other REC Limits: 1000 PPM

Ingred Name:## LCLO (IHL RAT) 50 PPH/10 MIN.

RTECS #:9999999ZZ

Other REC Limits: NONE SPECIFIED

========== Hazards Identification ===============

LD50 LC50 Mixture: SEE INGREDIENTS

Health Hazards Acute and Chronic:INHAL: PREDOMINANT HZD IS ASPHYXIA.

MAT'L IS LOW IN TOXICITY AT CONCENTRATIONS AS HIGH AS 4%. WHEN

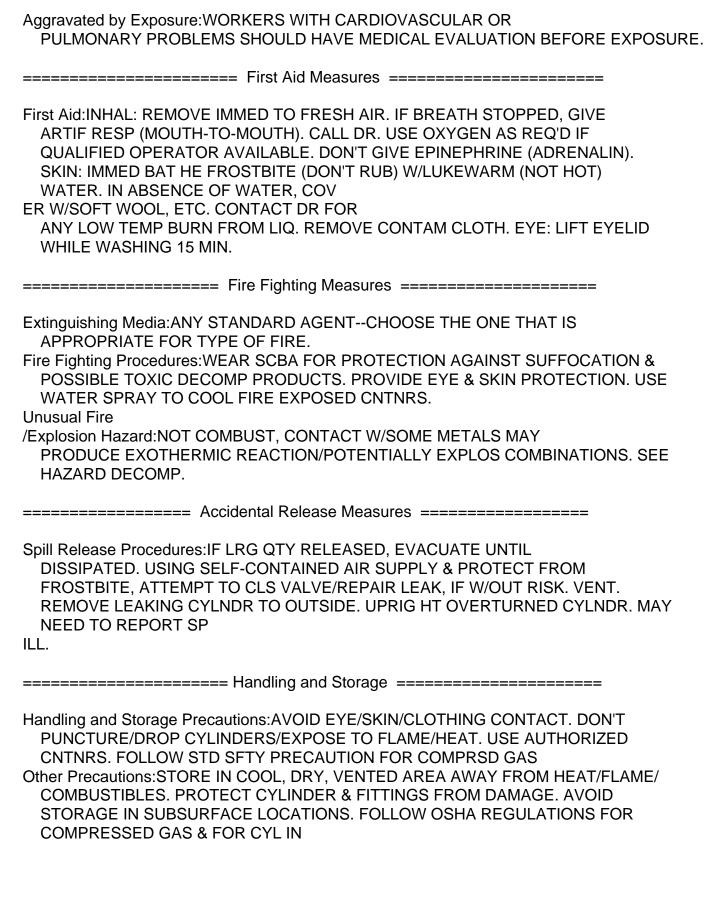
OXYGEN LEVELS IN AIR ARE REDUCED TO 12-14% SYMPTOMS OF ASPHYXIATION

WILL

OCCUR. SKIN: CONTACT W/ LIQU ID MAT'L CAN CAUSE FROSTBITE, INDICATEDBY PALLOR OR REDNESS, LOSS OF SENSATION AND SWELLING. EYES: SAME AS FOR SKIN.

Effects of Overexposure:INHALATION: LOSS OF COORDINATION, INCREASED PULSE RATE, CARDIAC SENSITIZATION AND DEEPER RESPIRATION ARE POSSIBLE. MILD CNTRL NERV SYS DEPRESS. CARDIAC ARRHYTHMIA & MYOCARDIAL DEPRESSION SEEN IN ANIMA L STUDIES. THIS PRODUCT CAN CAUSE DEATHOR SERIOUS PERSONAL INJURY IF NOT HANDLED PROPERLY.

Medical Cond



DER HANDLING.

===== Exposure Controls/Personal Protection ========

Respiratory Protection: NONE GENERALLY REQUIRED FOR ADEQUATELY VENTED SITUATIONS. FOR ACCIDENTAL OR NON-VENTILATED SITUATIONS, WHERE CONCENTRATIONS MAY BE HIGH, USE A SCBA OR SUPPLIED-AIR RESPIRATOR W/FULL FACEPIECE. ALL EQU IPMENT SHOULD BE APPROVED BY NIOSH.

Ventilation: PROVIDE LOCAL EXHAUST AT FILLING ZONES & WHEREVER LEAKAGE PROBABLE. MECHANICAL (GEN) VENT FOR OPERATING/STORAGE AREAS.

Protectiv

e Gloves:IMPERVIOUS W/MYLAR COATED DURAFAB

Eye Protection: CHEM SAFETY GOGGLES IF CONTACT

Other Protective Equipment: WEAR IMPERVIOUS SHOES & CLOTHING WHERE LEAKAGE IS PROBABLE. GLOVES, CLOTHING, SHOES SHOULD BE THERMALLY INSULATED.

Work Hygienic Practices: PROVIDE WATER SOURCE--FIRST AID TREATMENT (FROSTBITE). (PVA/NEOPRENE-2ND CHOICES) & THERMAL INSULATION UNDERNEATH.

Supplemental Safety and Health

IS REASONABLE PROBABILITY. IN THIS CASE, DON'T WEAR CONTACT LENSES. **HIGH CONC**

IN AIR (20X TLV) HAVE BEEN SHOWN TO REDUCE VENT CAPACITY OF LUNGS TEMPORARILY & TO PRODUCE MINOR CARDIAC EFFECTS (INCREASE D BY EPINEPHRINE).

========= Physical/Chemical Properties ===============

HCC:G3

Boiling Pt:B.P. Text:-28F,-34C

Melt/Freeze Pt:M.P/F.P Text:-158TO-119C

Vapor Pres:85.4 PSIG Vapor Density:3.52 @ 0C Spec Gravity:1.171 LIQ;WTR=1

Evaporation Rate & Dr. Reference: N/K & 1 ATM

Solubility in Water:SLIGHT

Appearance and Odor: COLORLESS GAS WITH FAINT ETHEREAL O

DOR.

Percent Volatiles by Volume:100

======== Stability and Reactivity Data ===========

Stability Indicator/Materials to Avoid:YES

STRONG OXIDANTS (HALOGENS), HOT REACTIVE METALS (MOLTEN AL, SHAVINGS BARIUM, LITHIUM). ALKALINE EARTH METALS.

Stability Condition to Avoid:FIRES, HOT SURFACES, LIGHTED CIGARETTES, WELDING. HIGH TEMPERATURES CAUSE DECOMPOSITION, YIELDING TOXIC GASES.

Hazardous Decomposition Products: NO ACTUAL DATA, BUT FROM ANALOGY (OTHER FLUOROCARBO

NS): HALOGENS, HALOGEN ACIDS, CARBONYL HALIDES (PHOSGENE), CO, CO2.

======= Disposal Considerations ===========

Waste Disposal Methods:DISPOSAL OF WASTE PRODUCT MAY BE SUBJECT TO FED REGS. REVIEW OPERATIONS, THEN CONSULT W/REGULATORY AGENCIES BEFORE DISCHARGING/DISPOSING OF WASTE MATERIAL. DISPOSAL BY LICENSED WASTE DISPOSAL COMPANY MAY BE NECESSARY. EPA HAZARDOUS WASTE #UO75.

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

s 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.