

ALLIED CORPORATION, CHEMICAL SECTOR -- DICHLORODIFLUOROMETHANE -- 6830-00-290-4377

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

Product ID:DICHLORODIFLUOROMETHANE

MSDS Date:08/01/1985

FSC:6830

NIIN:00-290-4377

MSDS Number: BLKXV

=== 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:20

1-455-2000

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:HONEYWELL INTL INC ENVIRONMENTAL SYSTEMS AND SERVICES

Address:101 COLUMBIA RD

Box:City:MORRISTOWN

State:NJ

ZIP:07962

Country:US

Phone:973-455-3922

CAGE:70308

Company Name:PHOENIX DISTRIBUTORS

CAGE:PHOEN

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

Ingred Name:DICHLORODI

FLUOROMETHANE (SARA III)

CAS:75-71-8

RTECS #:PA8200000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ozone Depleting Chemical:1

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Health Hazards Acute and Chronic:INHALATION: THIS MATERIAL IS LOW IN TOXICITY AT CONCENTRATIONS AS HIGH AS 4% (40,000 PPM). WHEN OXYGEN LEVELS I

N AIR ARE REDUCED TO 12-14%, SYMPTOMS OF ASPHYXIATION WILL OCCUR; LOSS OF COORDINATION, I NCREASED PULSE RATE, CARDIAC SENSITIZATION & DEEPER RESPIRATION ARE ALSO POSSIBLE. INGESTION: NOT APPLICABLE SINCE

Effects of Overexposure:MATERIAL IS GASEOUS AT NORMAL TEMPERATURE & PRESSURE. SKIN: CONTACT W/LIQUID MATERIAL CAN CAUSE FROSTBITE, INDICATED BY PALLOR OR REDNESS, LOSS OF SENSATION & SWELLING. EYES: SAME AS FOR SKIN.

Medical Cond Aggravated by Exposure:WORKERS WITH CARDI OVASCULAR OR

PULMONARY PROBLEMS SHOULD HAVE MEDICAL EVALUATION BEFORE EXPOSURE.

=====
===== First Aid Measures =====

First Aid:INHALE: REMOVE IMMED TO FRESH AIR. BREATHING STOPPED, GIVE CPR, PREFERABLY MOUTH-TO-MOUTH. USE OXYGEN AS REQUIRED, PROVIDED A QUALIFIED OPERATOR IS AVAILABLE. DO NOT GIVE EPINEPHRINE. SKIN/ EYE: IMMED IATELY BATHE ANY FROSTBITE (DO NOT RUB)W/LUKEWARM (NOT HOT) WATER. IN THE ABSENCE OF WATER, COVER W/SOFT WOOL OR OTHER

SUITABLE MAT'L. CONTACT PHYSICIAN FOR LOW TEMP BURNS FROM LIQUID CONTACT.

=====
===== Fire Fighting Measures =====

Flash Point:NA

Extinguishing Media:ANY STANDARD AGENT-CHOOSE ONE THAT IS APPROPRITE FOR TYPE OF FIRE. MATERIAL ITSELF IS NONFLAMMABLE.

Fire Fighting Procedures:FIREFIGHTERS WEAR NIOSH APPROVED SCBA FOR PROTECTION AGAINST SUFFOCATION & POSS TOXIC DECOMP PRODUCTS. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Expl

osion Hazard:MAT'L IS LIQUID & GAS UNDER ITS OWN VAPOR
PRESS. WHILE NOT COMBUSTIBLE ITSELF, CONTACT W/CERTAIN METALS MAY
PRODUCE EXOTHERMIC REACTIONS OR EXPLOS COMBINATIONS.

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

Spill Release Procedures:USING A SELF-CONTAINED AIR SUPPLY AND
PROTECTION AGAINST FROSTBITE, PERONNEL SHOULD ATTEMPT TO CLOSE
VALVES OR REPAIR SOURCE OF LEAK. IF A LARGE QUANTITY IS RELEASED,
EVACUATE PERSONNEL AND ALLOW TO D ISSIPATE.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID CONTACT WITH EYE, SKIN OR
CLOTHING. DO NOT PUNCTURE OR DROP CYLINDERS OR EXPOSE THEM TO OPEN
FLAME/EXCESS HEAT. USE AUTHORIZED CONTAINERS ONLY.

Other Precautions:STORE IN COOL, DRY, WELL-VENT AREA AWAY FROM HEAT,
FLAME OR COMBUSTIBLES. PROTECT CYLINDER & ITS FITTINGS FROM
PHYSICAL DAMAGE. STORAGE IN SUBSURFACE LOCATIONS SHOULD BE AVOIDED.
FOLLOW STANDARD SAFET Y PRECAU
TIONS.

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

Respiratory Protection:NONE GENERALLY REQUIRED FOR ADEQUATELY-VENTED
SITUATIONS. FOR UNUSUAL SITUATIONS, WEAR A NIOSH-APPROVED,
SUPPLIED-AIR RESPIRATOR OR A POSITIVE PRESSURE, SCBA.

Ventilation:USE VENTILATION ADEQUATE TO MEET TLV REQUIREMENTS &
MINIMIZE EXPOSURE. SEE SUPPLEMENTAL DATA FOR MORE INFORMATION.

Protective Gloves:IMPERV GLOVES W/PVA OUTER LAYER,NEOPRENE

Eye Protection:CHEM SAFETY GOGGLES. NO CONT
ACT LENSES.

Other Protective Equipment:WEAR IMPERV SHOES & CLOTHING WHERE LEAKAGE
IS PROBABLE. THERMALLY INSULATE GLOVES, CLOTH & SHOES TO PREVENT
FROSTBITE.

Supplemental Safety and Health

VENTILATION: PROVIDE LOCAL EXHAUST AT FILLING ZONES & WHERE LEAKAGE IS
PROBABLE. MECHANICAL(GENERAL) VENTILATION IS ADEQUATE FOR OTHER
OPERATING AREAS & FOR STORAGE AREAS. PROVIDE CONVENIENT WATER SOU
RCE FOR FIRST-AID TREATMENT IN CASE OF FROSTBITE. EPA "HZDS WASTE",
IF DISCARDED, UNUS

ED-U075.

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

HCC:G3

Boiling Pt:B.P. Text:-22F,-30C

Melt/Freeze Pt:M.P/F.P Text:-252F,-158C

Vapor Pres:85 PSIA @

Vapor Density:4.26

Spec Gravity:.325

Evaporation Rate & Reference:21.1 C

Solubility in Water:0.028 @ 77 F

Appearance and Odor:COLORLESS LIQUIFIED GAS WITH FAINT ETHEREAL ODOR.

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

Stability Indicator/Materials to Avoid:YES

ALUM IN THE FORM OF FRESHLY

ABRADED SRFC-POWDERED ALUM, MAGNESIUM PWDR,

ZINC PWDR, CHEM ACTIVE METALS-SODIUM, POTASSIUM.

Stability Condition to Avoid:LIGHTED CIGARETTES, HOT SPOTS, WELDING.

TEMPERATURES ABOVE 550 C. DECOMPOSES IN FIRES.

Hazardous Decomposition Products:HALOGENS, HALOGEN ACIDS & POSSIBLY
CARBONYL HALIDES, SUCH AS PHOSGENE.

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

Waste Disposal Methods:DISPOSE OF WASTE GENETRON 12

DICHLORODIFLUOROMETHANE PER FEDERAL REGS. USERS R

VIEW OPERATIONS,

THEN CONSULT W/APPROP REGULATORY AGENCIES BEFORE DISCHARGING OR
DISPOSING OF WASTE MAT'L. DISPOSAL BY LI CENSED WASTE DISPOSAL
COMPANY MAY BE NECESSARY.

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.