

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

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===== 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.

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===== 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.

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===== 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.

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