

ALLIED CORP., ALLIED CHEMICAL,CSS DEPT. -- GENETRON 12 DICHLORODIFLUOROMETHANE --  
6830-00-935-9895

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

Product ID:GENETRON 12 DICHLORODIFLUOROMETHANE

MSDS Date:08/01/1985

FSC:6830

NIIN:00-935-9895

MSDS Number: BJRPX

=== Responsible Party ===

Company Name:ALLIED CORP., ALLIED CHEMICAL,CSS DEPT.

Box:1139R

City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

Info Phone Num:201

-455-4157

Emergency Phone Num:201-455-2000

CAGE:JO859

=== Contractor Identification ===

Company Name:ALLIED CORP., ALLIED CHEMICAL,CSS DEPT.

Address:COLUMBIA RD & PARK AVE

Box:1087R

City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

Phone:201-455-2000

CAGE:JO859

Company Name:ALLIED-SIGNAL INC

Address:Box:2332R

City:MORRISTOWN

State:NJ

ZIP:07962-2332

Country:US

Phone:201-455-4414

CAGE:1L164

Company Name:SANCHEZ & ASSOCIATES

Address:476 WEST FOGG STREET

Box:1649

City:COLTON (MAY BE OUT OF BUSINESS !)

State:CA  
ZIP:92324  
Country:US  
Phone:714-370-3921/FAX824-0341 ALL WRONG#  
CAGE:0HF19

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Composition/Information on Ingredients  
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Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)  
CAS:76-13-1  
RTECS #:KJ4000000  
Fraction by Wt: 100%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1000PPM/1250STEL  
ACGIH TLV:1000PPM/1250STEL9192  
Ozone Depleting Chemical:1

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Hazards Identification  
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LD50 LC50 Mixture:LD 50 ORAL R  
AT 45MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: VAPORS HEAVIER THAN AIR  
AND CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABLE FOR  
BREATHING. BREATHING HIGH CONCENTRATIONS OF VAPOR CAUSE HEAVYNESS  
IN THE HEAD,DROWSINESS, GIDDINESS,SHORT NESS OF BREATH,AND MAY LEAD  
TO NARCOSIS,CARDIAC IRREGULARITIES,UNCONSCIOUSNESS OR DEATH.  
SKIN:MAY DEFAT.EYES:IRRITATION.

Expl  
anation of Carcinogenicity:FREON 12 IS NOT LISTED AS A CARCINOGEN  
BY IARC, NTP OR OSHA.

Effects of Overexposure:INHALATION: BREATHING HIGH CONCENTRATIONS OF  
VAPOR MAY CAUSE HEADEDNESS,GIDDINESS, SHORTNESS OF BREATH, AND MAY  
LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.  
SKIN:IRRITANT. EXCES SIVE CONTACT MAY DEFAT SKIN. EYES:VAPOR- MILD  
IRRITANT; LIQ - IRRITANT; INGESTION: LOW TOXICITY.

Medical Cond Aggravated by Exposure:SKIN DISEASE - FREON 113 IS A

DEFATTING AGENT AND CAN CAUSE DERMATITIS ON PROLONGED EXPOSURE.  
PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO  
THE EFFECTS OF THIS AGENT.

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

First Aid:INHALATION: REMOVE TO FRESH AIR, CALL A PHYSICIAN. IF NOT  
BREATHING, GIVE ARTIFICIAL RESPIRATION.IF BREATHING IS DIFFICULT,  
GIVE OXYGEN. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. EYE: FLUSH  
WITH WATER . SKIN: FLUSH WITH WATER. IF IRRITATION  
PERSISTS, GET  
MEDICAL ATTENTION. ORAL: GET MEDICAL ATTENTION IMMEDIATELY. INDUCE  
VOMITING BY GIVING TWO GLASSES OF WATER. CALL A PHYSICIAN.

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

Flash Point:NONE  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY. CONTAIN RUNOF  
F.  
Unusual Fire/Explosion Hazard:MATERIAL A LIQ UNDER ITS OWN VAPOR  
PRESSURE. EXOTHERMIC REACTION OCCURS WITH MOLTEN  
ALUMINUM,BARIUM,AND LITHIUM SHAVINGS OR POWDER.

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

Spill Release Procedures:VENTILATE AREA. EVACUATE UNPROTECTED PERSONS.  
ELIMINATE IGNITION SOURCES SND SHUT OFF LEAK. ABSORB LIQUID WITH  
COMMERCIAL ABSORBENT,SHOVEL INTO METAL DRUMS.LARGE SPILL: DIKE UP  
WITHABSORBENT AND PUMP INTO DRUMS,MAKING S  
URE PUMP DOES NOT GET  
OVERHEATD  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A CLEAN, COOL, DRY AND  
WELL-VENTILATED AREA. PROTECT CONTAINERS FROM PHYSICAL DAMAGE AND  
KEEP CLOSED. OPEN BUNG SLOWLY AND CAUTIOSLY.  
Other Precautions:AVOID BREATHING VAPOR, LIQUID CONTACT WITH EYES, SKIN  
OR CLOTHING. TANK-CLEANING PERSONNEL SHOULD USE ONLY FORMAL TANK  
ENTRY PROCEDURE BASED ON RECOGNIZED SAFET

Y PRINCIPLES. EMPTY  
CONTAINERS MAY CONTAIN PRODUCT RESIDUES/VAPORS.

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

Respiratory Protection:NONE REQUIRED FOR ADEQUATELY VENTED WORK SITUATIONS. FOR ACCIDENTAL OR NON-VENTILATED SITUATIONS, USE A SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED-AIR RESPIRATOR, APPROVED BY NIOSH.

Ventilation:PROVIDE LOCAL EXHAUST AT FILLING ZONES AND OTHER OPERATING SPACES WHERE LEAKAGE IS PROBABLE. MECHANICAL FOR OTHER.

Protective

Gloves:BUTYL RUBBER, PVA OR NEOPRENE

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:USE IMPERVIOUS CLOTHING IF THERE IS REPEATED OR PROLONGED CONTACT WITH LIQUID.

Work Hygienic Practices:PRE-EXISTING EYES AND SKIN DISORDER MAY BE AGGRAVATED TO EXPOSURE TO THIS PRODUCT.

Supplemental Safety and Health

NONE

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

HCC:G3

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

Vapor Pres:85PSIA@21C

Vapor Density:4.26

Spec Gravity:1.325

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUIFIED GAS WITH FAINT ETHEREAL ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, FINELY DIVIDED BARIUM,AND LITHIUM.POWDERED ALUMINUM,MAGNESIUM AND ZINC.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:DECOMPOSED BY HIGH TEMPERATURES TO FORM HALOGENS, HALOGEN

EN ACIDS, AND CARBONYL HALIDES, INCLUDING  
PHOSGENE.

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

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE AND LOCAL  
REGULATIONS. REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY.

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