

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 ORA
L RAT 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.

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Explanation 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 RUNOFF.
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 AND SHUT OFF LEAK. ABSORB LIQUID WITH COMMERCIAL ABSORBENT,SHOVEL INTO METAL DRUMS.LARGE SPILL: DIKE UP WITH ABSORBENT AND PUMP INTO DRUMS,MAKING SURE PUMP DOES NOT GET OVERHEATED
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 CAUTIOUSLY.
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 SA

HAZARD 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 Gra

density: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, HA

LOGEN 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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