

DU PONT E I DE NEMOURS & CO INC IMAGING SYS DEPT -- FREON 12,DICHLROFLUOROMETHANE
(HALON T-122 -- 6830-00-816-6533

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

Product ID:FREON 12,DICHLROFLUOROMETHANE (HALON T-122
MSDS Date:10/01/1985
FSC:6830
NIIN:00-816-6533
MSDS Number: BFQXX
=== Responsible Party ===
Company Name:DU PONT E I DE NEMOURS & CO INC IMAGING SYS DEPT
Address:BARLEY MILL PLZ 22-1356
City:WILM
INGTON
State:DE
ZIP:19898
Country:US
Info Phone Num:302-999-3847/302-999-4338
Emergency Phone Num:800-441-3637/800-424-9300(CHEMTREC)
Preparer's Name:T.D. ARMSTRONG
CAGE:82348

=== Contractor Identification ===

Company Name:DU PONT E I DE NEMOURS & CO INC IMAGING SYS DEPT
Address:BARLEY MILL PLZ 22-1356
Box:80022
City:WILMINGTON
State:DE
ZIP:19880-0022
Country:US
Phone:302-992-2012
CAGE:82348
Company Name:VIRGINIA CHEMICALS INC
Address:801 WATER ST
Box:City:PORTSMOUTH
State:VA
ZIP:23704
Country:U
S
Phone:804-893-3247
CAGE:87698

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

Ingred Name:DICHLORODIFLUOROMETHANE (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 =====

LD50 LC50 Mixture:LD 50 ORAL RAT IS > 1000 MG/KG

kin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:HEALTH HAZARDS: ACUTE: MAY CAUSE ASPHYXIATION BY REDUCING OXYGEN AVAILABLE FOR BREATHING. LIQUID CAN CAUSE FROSBITE. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:LIQUID CAN CAUSE FROSTBITE. VAPOR CAN CAUSE LIGHTHEADEDNESS, GIDDINESS, SHOR
TNESS OF BREATH, AND MAY LEAD TO
NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF CARDIOVASCULAR DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.SEE DOCTOR. SKIN:WASH WITH WATER.TREAT FOR FROSTBITE. INHALATION:REMOVE VICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE D
OCTOR.DO NOT
GIVE EPI NEPHRINE OR SIMILAR DRUGS. NOTE TO PHYSICIAN: BECAUSE OF INCREASED RISK OF CARDIAC DYSRYTHMIAS,CATECHOLAMINE DRUGS,SUCH AS EPINEPHRINE SHOULD BE CONSIDERED ONLY AS A LAST RESORT.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

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:CYLINDERS MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR.

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

Spill Release Procedures:REMOVE PERSONNEL. REMOVE OPEN FLAMES.
VENTILATE AREA, ESPECIALLY LOW PLACES WHERE HEAVY VAPORS MIGHT COLLECT.

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

Handling and Storage Precautions:STORE IN CO

OL, DRY, WELL VENTILATED

AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES. DO NOT HEAT ABOVE 125F.

Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN TESTING THIS PRODUCT.

Ventilation:NO SPECIAL REQUIREMENTS. USE GENERAL (MECHANICAL) VENTILATION IN LOW PLACES. USE LOCAL EXHAUST FOR LARGE RELEASE.

Protective Gloves:LINED BUTYL GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE.

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

HCC:G7

Boiling Pt:B.P

. Text:-21.6F,-30C

Vapor Pres:4896

Vapor Density:4.2

Spec Gravity:1.3

Evaporation Rate & Reference:RAPID

Solubility in Water:0.03%

Appearance and Odor:CLEAR COLORLESS LIQUIFIED GAS. SLIGHT ETHEREAL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS - POWDERED ALUMINUM, ZINC, BERYLLIUM, ETC.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SO

URCES
OF IGNITION

Hazardous Decomposition Products:HYDROCHLORIC ACID, HYDROFLUORIC ACID,
POSSIBLE CARBONYL HALIDES.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.
RECLAIM BY DISTILLATION OR REMOVE TO A PERMITTED WASTE DISPOSAL
FACILITY. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND
LOCAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER U075.

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