

NATIONAL REFRIGERANTS,INC. -- DICHLORODIFLUOROMETHANE -- 6830-01-355-4011

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Product Identification  
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Product ID: DICHLORODIFLUOROMETHANE

MSDS Date: 09/01/1995

FSC: 6830

NIIN: 01-355-4011

MSDS Number: BYHBM

=== Responsible Party ===

Company Name: NATIONAL REFRIGERANTS, INC.

Address: 11401 ROOSEVELT BOULEVARD

Box: NONE

City: PHILADELPHIA

State: PA

ZIP: 19154

Country: US

Info Phone Num: 215-834-0200

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ergency Phone Num: 215-834-0200

Preparer's Name: M. BEATTY / G. WILSON

CAGE: 7Y146

=== Contractor Identification ===

Company Name: DDRV STOCK MAINTENANCE DIV/DDR-V-H

Address: 8000 JEFFERSON-DAVIS HIGHWAY

Box: City: RICHMOND

State: VA

ZIP: 23297

Country: US

Phone: 804-279-3125

CAGE: 02LX8

Company Name: NATIONAL REFRIGERANTS INC

Address: 11401 ROOSEVELT BLVD

Box: City: PHILADELPHIA

State: PA

ZIP: 19154

Country: US

Phone: 215-834-0200

CAGE: 7Y146

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Composition/Information on Ingredients  
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Ing

red 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

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

LD50 LC50 Mixture:LC50 (RAT) = 800,000 MG/KG 15 MIN.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION:VAPOR IS HEAVIER THAN AIR  
AND CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAILABLE FOR BREATHING. INTENTIONAL MISUSE CAN BE FATAL. SKIN/EYE: IRRITATION AND FROSTBITE.  
Explanation of Carcinogenicity:NOT LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.  
Effects of Overexposure:LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH, FROSTBITES.  
Medical Cond Aggravated by Exposure:INDIVIDUALS W/PREEXISTING DISEASES  
OF THE CENTRAL NERVOUS SYSTEM OR CARDIOVASCULAR SUSTEM MAY HAVE INCREASED SUSCEPTABILITY TO THE TOXICITY OF EXCESSIVE EXPOSURE.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.  
EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. A ID OR RESTORE BREATHING AS NEEDED. INGESTED:NO SPECIFIC INTERVEN  
TION IS INDICATED AS THE COMPOUND IS N OTLIKEL TO BE HAZARDOUS BY INGESTION. DO NOT INDUCE VOMITING. CALL PHYSICIAN.

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

Flash Point:NONE  
Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR COMBUSTIBLES.  
Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF CYLINDERS RUPTURE & CONTENTS ARE RELEASED UNDER FIRE CONDITIONS.  
Unusual Fire/Explosion Hazard:USE WATER SPRAY OR FOG TO COOL  
CONT

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

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

Spill Release Procedures:VENTILATE AREA. USE SELF-CONTAINED BREATHING APPARATUS IN CASE OF LARGE SPILLS. COMPLY W/FEDERAL, STATE & LOCAL REGULATIONS ON REPORTING RELEASES.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage Precautions:MFR GAVE NO INFORMATION ON MSDS.

Other Precautions:WARNING! CONTAINS CFC12, A SUBSTANCE WHICH HARMS PUBLIC HEALTH & ENVIRONMENT BY DESTROYING OZONE IN THE UPPER ATMOSPHERE. OZONE DEPLETION POTENTIAL = 1.0

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

Respiratory Protection:UNDER NORMAL USE NO RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS CHEMICAL. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF A LARGE SPILL OR RELEASE OCCURS.

Ventilation:NORMAL VENTILATION FOR STANDARD MANUFACTURING PROCEDURE IS GENERALLY ADEQUATE. USE LOCAL EXHAUST IF LARGE AMOUNT RELEASED

Protective Gloves:BUTYL GLOVES FOR PROLONGED/REPEATED CONTACT

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:MFR GAVE NO INFORMATION ON MSDS.

Work Hygienic Practices:MFR GAVE NO INFORMATION ON MSDS.

Supplemental Safety and Health  
NONE

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

HCC:G3

NRC/State Lic Num:NONE

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

Decomp Temp:Dec

Comp Text:1400F,760C

Vapor Pres:94.5 PSIA

Vapor Density:2.33LB/FT3

pH:NEUT

Evaporation Rate & Reference:>1 (CCL4=1)

Solubility in Water:0.028%

Appearance and Odor:CLEAR, COLORLESS LIQUIFIED GAS, SLIGHTLY ETHEREAL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALAKALI, ALKALINE EARTH METALS( POWDERED AL, ZN, BE ETC.)

Stability Condition to Avoid:OPEN FLAMES & HIGH TEMPERATURES

Hazardous

Decomposition Products:DECOMPOSED BY HIGH TEMPERATURES (OPEN FLAMES, GLOWING METAL SURFACES, ETC.) FORMING HYDROCHLORIC AND HYDROFLUORIC ACIDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:COMPLY W/FEDERAL, STATE & LOCAL REGULATIONS.

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