

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

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

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

Emerg

ency Phone Num:215-834-0200

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

CAGE:7Y146

=== Contractor Identification ===

Company Name:DDRV STOCK MAINTENANCE DIV/DDRV-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

===== 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

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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 Chroni

c: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 INTERVENTIO

N 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 CONTAIN

ERS. 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:Decomp

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 Dec

Composition 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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