

NATIONAL REFRIGERANTS INC -- REFRIGERANT 12 OIL CHARGE -- 6830-00-935-9895

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

Product ID:REFRIGERANT 12 OIL CHARGE

MSDS Date:09/01/1991

FSC:6830

NIIN:00-935-9895

MSDS Number: BTHNP

==== Responsible Party ===

Company Name:NATIONAL REFRIGERANTS INC

Address:89 WATER STREET

City:BRIDGETON

State:NJ

ZIP:08302-2545

Country:US

Info Phone Num:609-455-4555

Emergency Phone Num:

MED 609-455-4555 CHEM 800-424-9300

Preparer's Name:T NAPRAVE

CAGE:4J994

==== Contractor Identification ===

Company Name:NATIONAL REFRIGERANTS INC

Address:661 KENYON AVE

Box:City:BRIDGETON

State:NJ

ZIP:08302

Country:US

Phone:800-262-0012/215-698-6620

CAGE:4J994

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

Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)

CAS:75-71-8

RTECS #:PA8200000

Fraction by Wt: 50%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 91

EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:INHALATION IF HIGH CONCENTRATIONS OF VAPOR IS HARMFUL AND MAY CAUSE HEART IRREGULARITIES, UNCONSCIOUSNESS, OR DEATH. INTENTIONAL MISUSE MAY BE FATAL. VAPOR REDUCES OXYGEN AVAILABLE FOR BREATHING AND IS HEAVIER THAN AIR. LIQUID CONTACT CAUSES FROSTBITE.

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

Effects of Overexposure:EYE: IRRITATION, SKIN: LIQUID CONTACT CAUSES FROSTBITE. INHALED: RESPIRATORY DISTRESS, HEART IRREGULARITIES, CNS DEPRESSION, HEADACHE CONFUSION. INGESTED: UNLIKELY EXPOSURE.

Medical Cond Aggravated by Exposure:PRE-EXISTING DISEASES OF

THE

CENTRAL NERVOUS SYSTEM OR CARDIOVASCULAR SYSTEM.

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

First Aid:EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER. CALL A PHYSICIAN. SKIN CONTACT: FLUSH WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION IS PERSISTANT. INHALATION OF HIGH CONCENTRATIONS: REMOVE TO FRESH AIR. KEEP CALM. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. INGESTION: THE COMPOUND IS NOT LIKELY TO BE HAZARDO

US. DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

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

Flash Point:NON-FLAMMABLE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:AS APPROPRIATE FOR COMBUSTABLES IN AREA.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS, IS REQUIRED IF CYLINDERS RUPTURE OR RELEASE UNDER FIRE CONDITIONS.

Unusual Fire/Explosion Hazard:USE WATER SPRAY OR FOG TO COOL CONTAINERS. CYLINDERS MAY RUPTURE UNDER FIRE CONDITIONS.

DECOMPOSITION MAY OCCUR.

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

Spill Release Procedures: VENTILATE AREA. DO NOT FLUSH INTO SEWER. DIKE SPILL. COLLECT ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL. USE SELF-CONTAINED BREATHING APPARATUS IN CASE OF LARGE SPILL.

Neutralizing Agent: NO INFORMATION GIVEN ON MSDS BY SUPPLIER

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

Handling and Storage Precautions: NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Other Precautions: NONE

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

Respiratory Protection: UNDER NORMAL MANUFACTURING CONDITIONS, NO RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF A SPILL OCCURS.

Ventilation: NORMAL VENTILATION FOR STD MFR PROCEDURES IS ADEQUATE. LARGE AMTS: LOCAL EXHAUST. MECHANICAL VENT USED IN LOW PLACES.

Protective Gloves: BUTYL GLOVES

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment: NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Work Hygienic Practices: NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Supplemental Safety and Health

NONE

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

HCC: G3

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

pH: 7

Evaporation Rate & Reference: >1

Appearance and Odor: LIGHT GOLDEN COLOR, SLIGHTLY ETHEREAL AND OILY ODOR.

Percent Volatiles by Volume: 50

===== Stability and

Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

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

Stability Condition to Avoid: AVOID OPEN FLAMES, HIGH TEMPERATURES.

Hazardous Decomposition Products: MAY DECOMPOSED BY HIGH TEMP (OPEN FLAME, GLOWING SURFACES) FORMING HYDROCHLORIC AND HYDROFLUORIC ACIDS.

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

Waste Disposal Methods: COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS,

OR REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY. DO NOT VENT INTO ATMOSPHERE.

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