

NATIONAL REFRIGERANTS, INC -- NATIONAL REFRIGERANT II -- 6830-00-281-3036

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Product Identification  
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Product ID:NATIONAL REFRIGERANT II  
MSDS Date:06/01/1988  
FSC:6830  
NIIN:00-281-3036  
MSDS Number: BLKXR  
=== Responsible Party ===  
Company Name:NATIONAL REFRIGERANTS, INC  
Address:11401 ROOSEVELT BLVD.  
City:PHILADELPHIA  
State:PA  
ZIP:19154  
Country:US  
Info Phone Num:609-455-4555  
Emergency Phone Number:609-455-4555/800-424-9300 CHEMTREC  
Preparer's Name:T. NAPRAVA  
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

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Composition/Information on Ingredients  
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Ingred Name:TRICHLOROFLUOROMETHANE (CFC-11) (SARA III)  
CAS:75-69-4  
RTECS #:PB6125000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1000 PPM  
ACGIH TLV:C, 1000 PPM; 9293

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

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

LD50 LC50 Mixture:ORL:>3725MG/KG-RAT;LC50 RAT 26200PPM/4HR  
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. BREATHING HIGH CONCENTRATIONS OF VAPOR MAY  
CAUSE  
LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF B REATH, & MAY LEAD TO  
NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. SKIN:  
NOT A CORROSIVE OR IRRITANT;  
Effects of Overexposure:HOWEVER, REPEATED OR PROLONGED LIQUID CONTACT  
CAN CAUSE DEFATTING OF SKIN.  
Medical Cond Aggravated by Exposure:SKIN DISEASE: PRODUCT CAN DISSOLVE  
THE NATURAL OIL OF THE SKIN, THEREFORE DERMATITIS MAY BE EXPECTED  
TO RESULT FROM REPEATED CONTACT. PRE-EXISTING SKIN DISORDERS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR, CALL PHYSICIAN. IF NOT  
BREATHING, GIVE CPR, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS  
DIFFICULT, GIVE OXYGEN. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS.  
EYE: IN CASE O F CONTACT, IMMEDIATELY FLUSH EYES W/PLENTY OF WATER  
FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. SKIN: CLEANSE AFTER USE.

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

Flash Point Method:TOC  
Flash Point:NONE  
Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS MAY BE  
REQUIRED IF DRUMS RUPTURE AND CONTENTS ARE SPILLED UNDER FIRE  
CONDITIONS.  
Unusual Fire/Explosion Hazard:DRUMS MAY RUPTURE UNDER FIRE CONDITIONS.

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

Spill Release Procedures:VENTILATE AREA. DO NOT FLUSH INTO SEWERS. DIKE  
SPILL. COLLECT ON ABSORBENT MATERIAL & TRANSFER TO STEEL DRUMS FOR  
RECOVERY OR DISPOSAL. COMPLY W/FEDERAL, STATE

AND LOCAL REGULATIONS  
OR REPORTING RELEASES.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN A CLEAN, DRY AREA. DO NOT  
HEAT ABOVE 125 F.

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Exposure Controls/Personal Protection  
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Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS, NO  
RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT.  
SELF-CONTAINED BREATHING APPARATUS (SCBA) IS REQUIRED IF A SPILL  
OCCURS.

Ventilation:

NORMAL VENT IS GENERALLY ADEQUATE. USE LOCAL EXHAUST WHEN  
LARGE AMTS RELEASED. USE MECHANICAL VENT IN LOW PLACES.

Protective Gloves:BUTYL GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES

Supplemental Safety and Health

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Physical/Chemical Properties  
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HCC:G3

Boiling Pt:B.P. Text:75.0F,23.9C

Vapor Pres:.7PSIG@77F

Vapor Density:4.9

pH:NEUTRL

Evaporation Rate & Reference:0.1 (CC14=1)

Solubility in Water:0.1% BY WT @ 77 F

Appearance and Odor:COLORLESS LIQ

UID; SLIGHT ETHERAL ODOR.

Percent Volatiles by Volume:100

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS - POWDERED AL, ZN, BE, ETC.

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

Hazardous Decomposition Products:HIGH TEMPS (OPEN FLAMES, GLOWING  
SURFACES, ETC.) FORMING HYDROCHLORIC & HYDROFLUORIC ACIDS-POSSIBLE  
CARBONYL HALIDES.

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Disposal Consider  
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Waste Disposal Methods:EPA HAZARDOUS WASTE NO. U121; F001; F002. COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. RECLAIM BY DISTILLATION OR REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY.

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