

NATIONAL REFRIGERANTS INC -- NATIONAL REFRIGERANT 12 -- 6830-00-264-5913

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Product Identification
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Product ID:NATIONAL REFRIGERANT 12
MSDS Date:06/01/1988
FSC:6830
NIIN:00-264-5913
MSDS Number: BKBKH
=== Responsible Party ===
Company Name:NATIONAL REFRIGERANTS INC
Address:11401 ROOSEVELT BLVD
City:PHILADELPHIA
State:PA
ZIP:19154
Country:US
Info Phone Num:215-834-0200
Emergency Phone Num:
215-834-0200
Preparer's Name:T. NAPRAVA
CAGE:7Y146
=== Contractor Identification ===
Company Name:NATIONAL REFRIGERANTS INC
Address:11401 ROOSEVELT BLVD
Box:City:PHILADELPHIA
State:PA
ZIP:19154
Country:US
Phone:215-834-0200
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Composition/Information on Ingredients
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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:INHALATION 30 MIN LC50 800,000 PPM (RAT)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: HEART IRREGULARITIES,
UNCONSCIOUSNESS, OR DEATH. VAPOR REDUCES OXYGEN FOR BREATHING.
EYES: MILD IRRITANT.
Effects of Overexposure:LIQUID CONTACT CAN CAUSE FR
OSTBITE. TEMPORARY
NERVOUS SYSTEM DEPRESSION WITH ANAESTHETIC EFFECTS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GIVE OXYGEN.
SKIN: FLUSH WITH WATER. TREAT WITH FROSTBITE IF NECESSARY. EYES:
IMMEDIATELY FL USH EYES WITH PLENTY OF WATER. CALL A PHYSICIAN.
INGESTION
: CONSULT A PHYSICIAN. *PHYSICIANS: CATECHOLAMINE DRUGS,
SUCH AS EPINEPHRINE, SHOULD BE USED WITH SPECIAL PRECAUTION.

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

Flash Point:NONE
Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES IN THE AREA.
Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS (SCBA) IS
REQUIRED IF CYLINDERS RUPTURE AND CONTENTS ARE RELEASED UNDER FIRE
CONDITIONS.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:VENTILATE AREA-ESPECIALLY LOW PLACES WHERE
HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES. USE SCBA FOR
LARGE SPILLS.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:NONE

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

Respiratory Protection:SELF-CONTAINED BREATHING APPARAT

US (SCBA) IS

REQUIRED ONLY IF A LARGE RELEASE OCCURS.

Ventilation:NORMAL VENTILATION FOR STANDARD MANUFACTURING PROCEDURES IS
GENERALLY ADEQUATE.

Protective Gloves:LINED BUTYL GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health
NONE

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

HCC:G3

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

Vapor Pr

es:94.5 PSIA

Vapor Density:4.26

Solubility in Water:INSOLUBLE

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

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

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:OPEN FLAMES AND HIGH TEMPERATURES.

Hazardous Decomposition Products:HYDROCHLORIC AND HYDROFLUORIC ACIDS
AND CARBONYL HALIDES.

===== Disposal Cons
iderations =====

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE, AND LOCAL
REGULATIONS. RECLAIM BY DISTILLATION OR REMOVE TO A PERMITTED
WASTE FACILITY.

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