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NATIONAL REFRIGERANTS INC -- CHLORODIFLUOROMETHANE; REFRIGERANT 22 6830-00-782-3930

Product ID:CHLORODIFLUOROMETHANE; REFRIGERANT 22

MSDS Date:09/01/1991

FSC:6830

NIIN:00-782-3930

MSDS Number: BTQYZ === Responsible Party ===

Company Name: NATIONAL REFRIGERANTS INC

Address:11401 ROOSEVELT BLVD

City:PHILADELPHIA

State:PA ZIP:19154 Country:US

Info Phone Num:215-8

34-0200

Emergency Phone Num:215-834-0200

Preparer's Name: TNAPRAVA

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

CAGE:7Y146

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

Ingred Name: CHLORODIFLUOROMETHANE

CAS:75-45-6

RTECS #:PA6390000 Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000PPM; 9293

Ozone

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

LD50 LC50 Mixture:INHAL 4-HOUR LC50: 220,000 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:INHALING HIGH CONCENTRATIONS OF VAPOR IS HARMFUL & MAY CAUSE LIGHT-HEADEDNESS, SHORTNESS OF BREATH, HEART IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. VAPOR IS HEAVIER THAN AIR & MAY REDUCE OXYGEN AVAI

LA BLE FOR BREATHING. GROSS OVEREXPOSURE

MAY BE FATAL. SKIN CONTACT WITH LIQUID MAY CAUSE FROSTBITE.

Explanation of Carcinogenicity: NOT LISTED AS A CARCINOGEN BY IARC, NTP, OSHA, OR ACGIH.

Effects of Overexposure:OVEREXPOSURE BYINHALATION, INGESTION, SKIN OR EYE CONTACT MAY INCLUDE: TEMPORARY NERVOUS SYSTEM DEPRESSION WITH ANAESTHETIC EFFECTS SUCH AS DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION & LOSS OF CON SCIOUSNESS. HIGHER EXPOSURES MAY LEAD TO TEMPORARY ALTERATION

OF THE HEARTS ELECTRICAL ACTIVITY WITH IRREGULAR PULSE.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PREEXISTING DISEASEA OF THE CENTRAL NERVOUS SYSTEM MAY HAVE INCREASED SUSCEPTABILITY TO THE TOXICITY OF EXCESSIVE EXPOSURE.

First Aid:INHALE-REMOVE TO FRESH AIR; KEEP CALM. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CALL DR. SKIN-FLUSH WITH PLENTY OF WATER. GET MEDICAL

ATTENTION IF IRRITAT ION PERSISTS. EYE-IMMEDIATELY FLUSH WITH PLENTY OF WATER. CALL DR. SWALLOWED-NO SPECIFIC INTERVENTION IS INDICATED AS THE COMPOUND IS NOT LIKELY TO BE HAZARDOUS BY INGESTION. DO NOT INDUCE VOMITING.

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

Flash Point:NONE

Autoignition Temp: Autoignition Temp Text:>760C

Extinguishing Media:USE EXTINGUISHING MEDIA AS APPROPRIATE FOR COMBUSTIBLES.

Fire Fighting Procedures: SELF-CONT

REQUIRED IF CYLINDERS RUPTURE AND CONTENTS ARE RELEASED UNDER FIRI CONDITIONS.	Ε
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. USE SELF-CONTAINED BREATHING APPARATUS IN CASE OF LARGE SPILLS. COMPLY WITH FEDERAL, STATE AND LOCAL REGULA TIONS ON REPORTING RELEASE.	
============ Handling and Storage ==============	
Handling and Storage Precautions:AVOID BREATHING VAPORS AND LIQUID CONTACT WITH SKIN OR EYES. USE ONLY IN WELL VENTILATED AREA. 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 REQUIR ED IF A LARGE RELEASE OCCURS.	
Ventilation:NORMAL VENT FOR STD MFR GENERALLY ADEQUATE. USE LOCAL EXHAUST WHEN LRG AMTS RELEASED. MECHANICAL VENT FOR LOW PLACES. Protective Gloves:BUTYL GLOVES SHOULD BE WORN.  Eye Protection:CHEMICAL SPLASH GOGGLES SHOULD BE WORN.  Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  Supplemental Safety and Health NONE	
======================================	
HCC:G3	

Decomp Temp:Decomp Text:1170F,632C Vapor Pres:151 PSIA Vapor Density:2.7593 pH:NEUTRL Evaporation Rate & Reference:>1 (CCL4=1) Solubility in Water: 0.30 WT% @1ATM Appearance and Odor: CLEAR, COLORLESS, LIQUIFIED GAS, SLIGHT ETHEREAL ODOR. Percent Volatiles by Volume:100 ======== Stability and Reactivity Data =========== Stability Indicator/Materials to Avoid:YES ALKALI OR ALKALINE EARTH METALS--POWDERED AL, ZN, BE, ETC. Stability Condition t o Avoid:AVOID OPEN FLAMES AND HIGH TEMPERATURES. Hazardous Decomposition Products: MATERIAL MAY DECOMPOSE IF EXPOSE TO HIGH TEMP. FORMING HYDROCHLORIC & HYDROFLUORIC ACIDS, & POSSIBLY CARBONYL HALIDES. ======= Disposal Considerations ============ Waste Disposal Methods: COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT VENT TO ATMOSPHERE. Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by e lements of the Department of Defense. The United States of America in no manner whatsoever,

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