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msds report

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NATIONAL REFRIGERANT 12

MSDS Number

BNCFC

National Stock Number

6830-00-531-8102

Product Name

NATIONAL REFRIGERANT 12

Manufacturer

NATIONAL REFRIGERANTS INC

Product Identification

Product ID:NATIONAL REFRIGERANT 12 MSDS Date:06/01/1988 FSC:6830 NIIN:00-531-8102 MSDS Number: BNCFC

Responsible Party

NATIONAL REFRIGERANTS INC

89 WATER ST

BRIDGETON , NJ 08302-2545

US

Emergency Phone: 609-455-4555, CHEMTREC 800-424-9300

Info Phone: 609-455-4555

Preparer: T NAPRAVA

Cage: 43994

Contractor

NATIONAL REFRIGERANTS INC

BRIDGETON, NJ 08302

US

800-262-0012/215-698-6620

Cage: 43994

Ingredients

METHANE DICHLORODIFLUORO (REFRIGERANT 12)

CAS: 75-71-8

RTECS: PA8200000

Fraction By Weight: 100%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

LD50 LC50 Mixture:INHAL 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:OVEREXPOSURE BY INHALATION, INGESTION,



OR SKIN OR EYE CONTACT MAY INITIALLY INCLUDE: TEMPORARY DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION, LOSS OF CONSCIOUSNESS, TEMPORARY ALTERATION OF HEART'S EL ECTRICAL ACTIVITY W/IRREGULAR PULSE, PALPITATIONS OR INADEQUATE CIRCULATION; OR EFFECTS OF EXCLUSION OF OXYGEN WITH **

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Explanation of Carcinogenicity:NOT LISTED AS A CARCINOGEN BY IARC, NTP, OSHA, OR ACGIH. * ORAL ALD: 1000 MG/KG IN RATS.

Effects of Overexposure:** GROSSLY EXCESSIVE EXPOSURE. SIGNIFICANT SKIN PERMEATION AFTER CONTACT APPEARS UNLIKELY. THERE ARE NO REPORTS OF HUMAN SENSITIZATION. THE COMPOUND IS NOT A SKIN IRRITANT, IS A MILD EYE IRRITANT, AND IS UNTESTED FOR ANIMAL SENSITIZATION. TOXIC EFFECTS IN ANIMALS: EXCLUSION OF OXYGEN, NON SPECIFIC EFFECTS.

First Aid

First Aid:INHAL: REMOVE TO FRESH AIR. IF NOT BREATH, GIVE ARTIF RESP, PREFER MOUTH TO MOUTH. IF BREATH DIFFICULT, GIVE OXYGEN. CALL DR. SKIN: FLUSH W/WATER. TREAT FOR FROSTBITE IF NECESSARY. EYE: IMMED FLUSH W/ WATER. CALL DR. INGESTED: CONSULT DR IFNECESSARY. NOTE TO PHYSICIANS: BECAUSE OF POSSIBLE DISTURBANCE OF CARDIAC RHYTHM, USE CATECHOLAMINE DRUGS (EPINEPHRINE) W/CAUTION FOR EMERGENCY LIFE SUPPORT.

Fire Fighting

Flash Point:WILL NOT BURN

Autoignition Temp:Autoignition Temp Text:>760C Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES IN 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:USE WATER SPRAY OR FOG TO COOL CONTAINERS. CYLINDERS MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR.

Accidental Release

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

Handling

Handling and Storage Precautions: AVOID BREATHING VAPORS AND LIQUID CONTACT WITH SKIN OR EYES. USE ONLY IN WELL VENTILATED AREA.

Exposure Controls

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS, NO RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED 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:LINED BUTYL GLOVES. Eye Protection:CHEM SPLASH GOGGLES WHEN HANDLING LIQUID

Supplemental Safety and Health

Chemical Properties

HCC:G3 Boiling Pt:B.P. Text:-22F,-30C Decomp Temp:Decomp Text:>1400F,>760 Vapor Pres:94.5 PSIA Vapor Density:4.26 @ 25C Spec Gravity:1.315 G/CC @25C pH:NEUTRL Solubility in Water:0.028 WT% @1ATM &25C Appearance and Odor:CLEAR, COLORLESS, LIQUIFIED GAS, SLIGHT ETHEREAL ODOR. Percent Volatiles by Volume:100

Stability



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:HYDROCHLORIC AND HYDROFLUORIC ACIDS--POSSIBLY CARBONYL HALIDES.

Disposal

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

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