

LAROCHE CHEMICALS INC -- DICHLORODIFLUOROMETHANE, R-12, CFC-12, REFRIG

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MSDS Safety Information
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FSC: 6830
NIIN: 00-935-9895
MSDS Date: 09/01/1992
MSDS Num: BKCGB
Product ID: DICHLORODIFLUOROMETHANE, R-12, CFC-12, REFRIGERANT 12
MFN: 01
Responsible Party
Cage: 0RAU5
Name: LAROCHE CHEMICALS INC
Address: AIRLINE HWY
Box: 1031
City: BATON ROUGE LA 70821
Info Phone Number: 800-528-4963
Emergency Phone Number: 800-528-4963/800-424-9300(CHEMTREC)
Review Ind: Y
Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: 0RAU5
Name: LAROCHE CHEMICALS INC
Address: AIRLINE HWY
Box: 1031
City: BATON ROUGE LA 70821

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Contractor Summary
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Cage: MO428
Name: KAISER CHEMICALS
Address: UNKNOWN
City: UNKNOWN NK 00000
Phone: UNKNOWN
Cage: 0RAU5
Name: LAROCHE CHEMICALS INC
Address: AIRLINE HWY
Box: 1031
City: BATON ROUGE LA 70821
Phone: 504-356-8467

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Item Description Information
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Item Manager: S9G
Item Name: DICHLORODIFLUOROMETHANE, TECHNICAL
Specification Number: BB-F-1412
Type/

Grade/Class: TYPE 12
Unit of Issue: CY
Quantitative Expression: 00000000030LB
UI Container Qty: 1
Type of Container: CYLINDER

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Ingredients
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Cas: 75-71-8
RTECS #: PA8200000
Name: DICHLORODIFLUOROMETHANE (SARA 313) (CERCLA)
% Wt: >99.9
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM; 9495
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS
Ozone Depleting Chemical: 1

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Health Hazards Data
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LD50 LC50 Mixture: UNKNOWN
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: MAY CAUSE FROSTBITE IF EXPO TO SPRAY. MAY CAUSE UNCONSC OR PARALYSIS IF EXPO TO HIGH CONCEN. NOT READILY ABSORBED THRU SKIN/MUC MEMBRANE OR TISSUE OF EYE. INHAL:NARCOSIS IN CONCEN >1000PPM. MAY CAUSE ASPHYXIATION IN HIGH CONCEN. INGEST:NOTLIKELY DUE TO LOW TOXICITY & EXISTENCE AS GAS. IRRIT LUNGS @HIGH CONCEN.
Explanation Of Carcinogenicity: PER MSDS:CARCINOGENICITY:NTP/IARC/OSHA:NO.
Signs And Symptions Of Overexposure: FROSTBITE. NARCOSIS, ASPHYXIATION. LUNGS IRRITATION.
Medical Cond Aggravated By Exposure: PERSONS WITH CARDIAC ARRHYTHMIA MAY BE AT INCREASED RISK IN SEVERE EXPOSURES.
First Aid: EYE:FLUSH W/WATER FOR 15MINS. GET MED ATTN IF IRRIT PERSISTS.
SKIN:FLUSH W/WATER.

GET MED ATTN IF REDDENING OF SKIN DEVELOPS. INHAL:REMOVE FRM CONTAMIN AREA. APPLY OXY IF BREATHING IS DIFFICULT. GIVE ART RESP IF BREATH HAS STOPPED. GET MEDATTN. INGEST:COMPOUND NOT NORMALLY CONSIDERED HAZ BY INGEST. GET MED ATTN AS NECESSARY.

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Handling and Disposal
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Spill Release Procedures: STOP DISCHARGE IF POSSIBLE.KEEP PEOPLE AWAY.SPILL INTO AIR/WATER/LAND NOTIFY NATL RESP CNTR 800-424-8802 IF SPILL EXCEEDS THE ESTABLISHED REPORTABLE QUANT VALUE FOR SUBSTANCE(5000LBS).TRANSPORTATION E MERGENCY CALL 800-424-9300(CHEMTREC)R

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: R-12 AS COMMERCIALY PRODUCED IS LISTED HAZ WASTE(U075).DISPOSAL OF PROD MUST BE IAW APPROPRIATE LOC/STATE/FED ENVIRON LAWS/REGS.COLLECT WASTE FOR POSSIBLE RECYLCE/RECLAMATION;IF NOT SEND TO APPROVED EPA INCINERATOR.(SEE OTHER PRECAUTIONS).

Handling And Stora

ge Precautions: STORE IN WELL VENTILATED DRY AREA (BELOW 125F). CONTACT WITH FLAMES OR HIGH TEMPERATURES SHOULD BE AVOIDED. DO NOT VENT TO ATMOSPHERE.

Other Precautions: MAY DECOMPOSE TO HALOGEN ACID &/OR PHOSGENE @TEMP >600C.CHEM ADDNS/PROCESSING/OTHERWISE ALTERING MATL MAY MAKE WASTE MANAGEMENT INFO IN MSDS INCOMPLETE,INACCURATE,OTHERWISE INAPPROPRIATE.SEC 313 TOX C HEM:YES;SEC 311/312:IMMED HEAL/PRESS HAZ

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Fire and Explos

ion Hazard Information
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Flash Point Text: NONE

Lower Limits: NONE

Upper Limits: NONE

Extinguishing Media: AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS IS RECOMMENEDED IF CONTAINERS RUPTURE &; CONTENTS ARE SPILLED UNDER FIRE CONDITIONS.

Unusual Fire/Explosion Hazard: MAY DECOMPOSE TO FORM HALOGEN ACID &/OR PHOSGENE AT TEMPERATURES ABOVE 600C.

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Control Measures
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Respiratory Protection: ATM LEVELS SHOULD BE MAINTAINED BELOW EXPO GUIDELINE.WHERE EXPO GUIDELINE MAY BE GREATLY EXCEEDED USE APPROVED +PRESSURE

SCBA. IN CONFINED OR POORLY VENTILATED AREAS USE APPROVED POSITIVE SCBA.

Ventilation: CNTRL AIRBRONE CONCE BELOW EXPO GUIDELINES.USE ONLY W/ADEQUATE VENTI.LOCAL EXHA VENTI MAY BE NECESSARY FOR SOME OPERATIO

Protective Gloves: BUTYL RUBBER GLOVES FOR P

RO/REP CONTACT

Eye Protection: SAFETY GLASSES W/SIDESHIELDS OR MONOGOGG

Other Protective Equipment: BRIEF CONTACT NO PRECAUTIONS OTHER THAN CLEAN BODY-COVERING CLOTHING.

Work Hygienic Practices: WASH HANDS AFTER HANDLING.

Physical/Chemical Properties

HCC: G3

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

Vapor Pres: 4389 @70F

Vapor Density: 4.2

Spec Gravity: 1.29

Evaporation Rate & Reference: >1, CCL(4)=

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Solubility in Water: 0.028% NEGLIGIBLE

Appearance and Odor: COLORLESSLIQUIDIED COMPRESSED GAS, FAINT ETHEREAL ODOR.

Percent Volatiles by Volume: 100

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: TEMPERATURES ABOVE 600C. AVOID OPEN FLAMES & HIGH TEMPERATURES.

Materials To Avoid: NO KNOWN REACTION W/COMMON MATERIALS.

Hazardous Decomposition Products: MAY DEC

OMPOSES TO HALOGEN ACIDS OR PHOSGENE

@TEMPS ABOVE 600C.

Hazardous Polymerization Indicator: NO

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 0RAU5

Trans ID NO: 93745

Product ID: DICHLORODIFLUOROMETH

ANE, R-12, CFC-12, REFRIGERANT 12

MSDS Prepared Date: 09/01/1992

Review Date: 08/21/1995

MFN: 1

Net Unit Weight: 30 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CY

Container QTY: 1

Type Of Container: CYLINDER

Additional Data: PER MSDS:TRANSP INFO BULK & PGK CNTNRS OF R-12:PROPER SHIPPING NAME:DICHLORODIFLUOROMETHANE, 2.2, UN 1028.

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Detail DOT Information
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DOT PSN Code:

ETJ

DOT Proper Shipping Name: DICHLORODIFLUOROMETHANE OR REFRIGERANT GAS R 12

Hazard Class: 2.2

UN ID Num: UN1028

Label: NONFLAMMABLE GAS

Non Bulk Pack: 304

Bulk Pack: 314,315

Max Qty Pass: 75 KG

Max Qty Cargo: 150 KG

Vessel Stow Req: A

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Detail IMO Information
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IMO PSN Code: FKB

IMO Proper Shipping Name: DICHLORODIFLUOROMETHANE

IMDG Page Number: 2129

UN Number: 1028

UN Hazard Class: 2(2
.2)

IMO Packaging Group: -

Subsidiary Risk Label: -

EMS Number: 2-09

MED First Aid Guide NUM: 350

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Detail IATA Information
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IATA PSN Code: IWJ

IATA UN ID Num: 1028

IATA Proper Shipping Name: DICHLORODIFLUOROMETHANE

IATA PSN Modifier: (R12)

IATA UN Class: 2.2

IATA Label: NON-FLAMMABLE GAS

Packing Note Passenger: 200

Max Quant Pass: 75KG

Max Quant Cargo: 150KG

Packaging Note Cargo: 200

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Detail AFI Information
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AFI PSN Code: IWJ
AFI Proper Shipping Name: DICHLORODIFLUOROMETHANE
AFI Hazard Class: 2.2
AFI UN ID NUM: UN1028
Special Provisions: P5
Back Pack Reference: A6.3, A6.5
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HAZCOM Label
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Product ID: DICHLORODIFLUOROMETHANE, R-12, CFC-12, REFRIGERANT 12

Cage: 0

RAU5

Company Name: LAROCHE CHEMICALS INC

Street: AIRLINE HWY

PO Box: 1031

City: BATON ROUGE LA

Zipcode: 70821

Health Emergency Phone: 800-528-4963/800-424-9300(CHEMTREC)

Label Required IND: Y

Date Of Label Review: 08/21/1995

Status Code: C

MFG Label NO: UNKNOWN

Label Date: 08/21/1995

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard

And Precautions: MAY CAUSE FROSTBITE IF EXPO TO SPRAY.MAY CAUSE UNCONSC
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CONTAMIN AREA. APPLY OXY IF BREATHING IS
DIFFICULT. GIVE ART RESP IF BREATH HAS STOPPED. GET MED ATTN. INGEST:COMPOUND
NOT NORMALLY CONSIDER RED HAZ BY INGEST. GET MED ATTN AS NECESSARY.

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