

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

MSDS Safety Information

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

Preparer Co. when other than Responsible Party Co.

Cage: 0RAU5
Name: LAROCHE CHEMICALS INC
Address: AIRLINE HWY
Box: 1031
City: BATON ROUGE LA 70821

Contractor Summary

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

Item Description Information

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.

Handling and Disposal

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

Fire and Explos
ion Hazard Information

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.

Control Measures

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)=
1
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
OR PARALYSIS IF EXPO TO HIGH CONCEN.NOT READILY ABSORBED THRU SKIN/MUC
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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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