

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

=====

Ingredients

=====

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

=====

Health Hazards Data

=====

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.

=====

Detail DOT Information

=====

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

=====

Detail IMO Information

=====

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

=====

Detail IATA Information

=====

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

==

=====

Detail AFI Information

=====

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

=====

HAZCOM Label

=====

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
MEMBRANE OR TISSUE OF EYE.INHAL:NARCOSIS IN CONCEN >1000PPM.MAY CAUSE ASPH
YXIATION IN HIGH CONCEN.INGEST:NOT LIKELY DUE TO LOW TOXICITY & EXISTENCE
AS GAS.IRRIT LUNGS @HIGH CONCEN. 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 MED ATTN. INGEST:COMPOUND
NOT NORMALLY CONSIDER RED HAZ BY INGEST. GET MED ATTN AS NECESSARY.

=====

Disclaimer (provided with this information by the compiling agencies): This
information is formulated for use by elements of the Department of Defense.
The United States of America in no manner whatsoever expressly or implied
warrants, states, or i
ntends said information to have any application, use or
viability by or to any person or persons outside the Department of Defense
nor any person or persons contracting with any instrumentality of the United
States of America and disclaims all liability for such use. Any person
utilizing this instruction who is not a military or civilian employee of the
United States of America should seek competent professional advice to verify
and assume responsibility for the suitability of this i
nformation to their
particular situation regardless of similarity to a corresponding Department
of Defense or other government situation.