

MATHESON CO DIV OF G D SEARLE MEDICAL PRODUCTS -- CHLORODIFLUOROMETHANE --  
6830-00-935-9896

===== Product Identification =====

Product ID:CHLORODIFLUOROMETHANE

MSDS Date:10/01/1985

FSC:6830

NIIN:00-935-9896

MSDS Number: BJFDZ

=== Responsible Party ===

Company Name:MATHESON CO DIV OF G D SEARLE MEDICAL PRODUCTS

Address:932 PATERSON PLANK RD

Box:85

City:EAST RUTHERFORD

State:NJ

ZIP:07073-2130

Country:US

Info Phone Num:201-933-2400

Emergency Phone Num:201-933-240

0

CAGE:96355

=== Contractor Identification ===

Company Name:MATHESON CO DIV OF G D SEARLE MEDICAL PRODUCTS

Address:30 SEAVIEW DRIVE

Box:City:SCAUCUS

State:NJ

ZIP:07096

Country:US

Phone:201-867-4100

CAGE:96355

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

Ingred Name:CHLORODIFLUOROMETHANE

CAS:75-45-6

RTECS #:PA6390000

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000PPM; 9192

Ozone Depleting Chemical:2

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

=====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-EYES/SKIN:MAY CAUSE FROSTBITE.  
INHALATION:CAN EFFECT THE CENTRAL NERVOUS SYSTEM. BREATHING HIGHER  
CONCENTRATIONS MAY CAUSE UNCONSCIOUSNESS, IRREGULAR HEARTBEAT OR  
CARDIAC ARREST. CHRONIC-NONE.  
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS  
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.  
Effects of  
Overexposure:INHALATION: LIGHTHEADEDNESS, GIDDINESS, LOSS OF  
COORDINATION, SHORTNESS OF BREATH, UNCONSCIOUSNESS & DEATH.  
Medical Cond Aggravated by Exposure:NONE

===== First Aid Measures =====

First Aid:EYE/SKIN:IMMEDIATELY FLUSH WITH LUKEWARM WATER FOR 20  
MINUTES. SEE DOCTOR. INHALATION:REMOVE TO FRESH AIR. IF NOT  
BREATHING GIVE CPR. IF HARD TO BREATH, GIVE OXYGEN. SEE DOCTOR  
IMMEDIATELY.

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

Flash Point:NONE  
Extinguishing Media:USE EXTINGUISHING AGENTS APPROPRIATE FOR SOURCE OF  
FIRE.  
Fire Fighting Procedures:FIRE FIGHTERS MUST WEAR SPECIAL PERSONAL  
PROTECTIVE SUITS FOR FIRE/CHEMICAL & POSITIVE PRESSURE SCBA.  
FIREFIGHTERS' TURNOUT GEAR IS INADEQUATE.  
Unusual Fire/Explosion Hazard:CYLINDERS EXPOSED TO FIRE MAY RUPTURE  
WITH VIOLENT FORCE. EXTINGUISH SURROUNDING FIRE. COOL CYLINDERS  
WITH WATER SPRAY APPLIED FROM THE MAXIMUM DISTANCE.

=====

===== Accidental Release Measures =====

Spill Release Procedures:RESTRICT ACCESS TO AREA. WEAR PERSONAL  
PROTECTIVE EQUIPMENT. VENTILATE AREA. ALLOW GAS TO DISSIPATE INTO  
THE ATMOSPHERE.

===== Handling and Storage =====

Handling and Storage Precautions:STORE-STORE & USE IN A DRY, WELL  
VENTILATED AREA AWAY FROM SOURCES OF IGNITION/HEAT.  
Other Precautions:NONE

===== Exposure Controls/Personal Protection =====

Re

Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation: MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE.

Protective Gloves: NONE

Eye Protection: SAFETY GLASSES

Other Protective Equipment: SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC: G3

Boiling Pt: B.P. Text: -41F, -41C

Melt/Freeze Pt: M.P/F.P Text: -256F, -160C

Vapor Pres: 123 PSIG

Vapor Density: 2.981

Spec Gravity: 1.194 (WATER=1)

Solubility in Water: 0.30% BY WEIGHT

Appearance and Odor: COLORLESS, NONFLAMMABLE, NONTOXIC GAS.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

SODIUM, POTASSIUM, BARIUM, POWDERED MAGNESIUM, POWDERED ALUMINUM AND ORGANOMETALLICS.

Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products: HYDROGEN CHLORIDE, HYDROGEN FLUORIDE, CARBONYL FLUORIDE & PHOSGENE.

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL

## FEDERAL, STATE AND LOCAL REGULATIONS.

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 this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.