

GEBAUER CHEMICAL -- FLUORI-METHANE - DICHLORODIFLUOROMETHANE AEROSOL
MATERIAL SAFETY DATA SHEET
NSN: 6830013173387
Manufacturer's CAGE: 23839
Part No. Indicator: A
Part Number/Trade Name: FLUORI-METHANE

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General Information
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Item Name: DICHLORODIFLUOROMETHANE AEROSOL
Company's Name: GEBAUER CHEMICAL CO
Company's Street: 9410 ST CATHERINE AVE
Company's City: CLEVELAND
Company's State: OH
Company's Country: US
Company's Zip Code: 44104-5526
Company's Emerg Ph #: 216-271-5252
Company's Info Ph #: 216-271-5252/800-321-9348
Record No. For Safety Entry: 002
Tot Safety Entries This Stk#: 002
Status: SE
Date MSDS Prepared: 01APR90
Safety Data Review Date: 17NOV97
Supply Item Manager: KX
MSDS Preparer's Name: D. BADKIN
MSDS Serial Number: CFRHN
Specification Number: UNKNOWN
Hazard Characteristic Code: J7
Unit Of Issue: EA
Unit Of Issue Container Qty: 12 OZ
Type Of Container: CAN,AEROSOL
Net Unit Weight: 12 OZ

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: DICHLORODIFLUOROMETHANE (SARA 313) (CERCLA)
Ingredient Sequence Number: 01
Percent: 15
NIOSH (RTECS) Number: PA8200000
CAS Number: 75-71-8
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM; 9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: TRICHLOROFLUOROMETHANE (CFC-11) (SARA 313) (CERCLA)
Ingredient Sequence Number: 02
Percent: 85
NIOSH (RTECS) Number: PB6125000
CAS Number: 75-69-4
OSHA PEL: 1000 PPM
ACGIH TLV: C 1000 PPM; 9596
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics
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Appearance And Odor: CLEAR COLORLESS LIQUID W/ETHER-LIKE ODOR
Boiling Point: 36.0F,2.2C
Melting Point: NP
Vapor Pressure (MM Hg/70 F): 10.4PSI68F
Vapor Density (Air=1): APPROX 4.7
Specific Gravity: 1.52 @34F
Decomposition Temperature: NP
Evaporation Rate And Ref: <1, CCL4=1

Solubility In Water: SLIGHT
Percent Volatiles By Volume: 100
Viscosity: NP
pH: NP
Corrosion Rate (IPY): NP
Autoignition Temperature: N/DETR

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Fire and Explosion Hazard Data
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Flash Point: NONE
Flash Point Method: TOC
Lower Explosive Limit: NON-FLAMM
Upper Explosive Limit: NON-FLAMM
Extinguishing Media: NON-FLAMMABLE
Special Fire Fighting Proc: SELF-CONTAINED BREATHING APPARATUS MAY BE
REQUIRED IF CONTAINERS RUPTURE & CONTENTS ARE RELEASED UNDER FIRE
CONDITIONS.
Unusual Fire And Expl Hazrds: CONTAINERS MAY RUPTURE UNDER FIRE
CONDITIONS. DECOMPOSITION MAY OCCUR.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): OPEN FLAMES AND HIGH TEMPERATURES.
Materials To Avoid: CHEMICALLY ACTIVE METALS LIKE SODIUM, POTASSIUM,
CALCIUM, ALUMINUM, ZINC, AND ALKALI.
Hazardous Decomp Products: TOXIC GASES AND VAPORS (HYDROGEN CHLORIDE,
HYDROGEN FLUORIDE, CARBONYL HALIDES).
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

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Health Hazard Data
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: INHAL: VAP HEAVIER THAN AIR, CAN CAUSE
SUFFOCATION BY RED OXY AVAIL FOR BREATH. BREATH HI VAP CONC MAY CAUSE LIGHT-
HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, LEAD TO NARCOSIS, CARDIAC IRREG,
UNCONSC, DEATH. SKIN: FROSTBITE, PROL LIQ CONTACT CAN CAUSE DEFATTING. LITTLE
EVIDENCE OF ABSORPT THRU SKIN. EYE: FROSTBITE. INGEST: TOXICITY (SUP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: PER MSDS: CMPDS IN MIX NOT CLASSIFIED AS
CARC. BASED ON ANIMAL/HUMAN POSES NO HAZ RELATIVE TO SYS TOC, CARC, MUT, TERATO
Signs/Symptoms Of Overexp: SUFFOCATION BY REDUCING OXYGEN AVAIL FOR
BREATHING. HI VAP CONCEN LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH,
NARCOSIS, CARDIAC IRREG, UNCONSC, DEATH. FROSTBITE, DEFATTING OF SKIN, INGEST-LOW
TOXICITY.
Med Cond Aggravated By Exp: SKIN DISEASES MAY BE AGGRAVATED BY OVEREXPO.
Emergency/First Aid Proc: INHAL: REMOVE TO FRESH AIR. NOT BREATH GIVE ART
RESP, PREFER MOUTH-TO-MOUTH; DIFFI BREATH GIVE OXY. DONT GIVE EPINEPHRINE/
SIMILAR DRUGS. THIS MAY ELICIT CARDIAC DYSRHYTHMIAS. EYE: FLUSH W/PLENTHY OF
WATER FOR 15MIN. CALL DR. SKIN; FROSTBITE OCCUR FLOOD/SOAK FROZEN TISSUE IN
TEPID WATER (105-115F). DONT USE HOT WATER. SEE DR IF NECESSARY. INGEST: NO SPEC
INTERVENTION INDICATED-COMPO NOT LIKELY TO BE HAZ BY (SUPPL)

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: VENTILATE AREA, ALLOW TO EVAPORATE.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: COMPLY W/LOCAL, STATE AND FEDERAL LAWS; RETURN
UNUSED QUANTITIES TO GEBAUER CO.

Precautions-Handling/Storing: COOL,CLEAN,DRY AREA.DONT HEAT ABOVE 120F.
 Other Precautions: 1 4OZ BTL LIBERATED IN 3000FT3 IS APPROX 340PPM.

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 Control Measures
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Respiratory Protection: NONE NEEDED UNDER NORMAL CONDITIONS.
 Ventilation: LOC EXHAU FOR LARGE SPILLS.MECH(GEN) SHOULD BE USED IN LOW PLACES.
 Protective Gloves: BUTYL GLOVES
 Eye Protection: SAFETY GOGG OR GLASSES
 Other Protective Equipment: SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR LARGE SPILLS.
 Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
 INGEST.CONSUULT DR IF NECESSARY.DONT INDUCE VOMIT AS HAZ OF ASPIRATING MATL INTO LUNGS GREATER THAN ALLOWING IT TO PROGRESS TRU INTESTINAL TRACT.

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 Transportation Data
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Trans Data Review Date: 97321
 DOT PSN Code: AGD
 DOT Proper Shipping Name: AEROSOLS, NON-FLAMMABLE,
 DOT Class: 2.2
 DOT ID Number: UN1950
 DOT Label: NONFLAMMABLE GAS
 IMO PSN Code: AIY
 IMO Proper Shipping Name: AEROSOL DISPENSERS
 IMO Regulations Page Number: 9022
 IMO UN Number: 1950
 IMO UN Class: 9
 IMO Subsidiary Risk Label: -
 IATA PSN Code: ANB
 IATA UN ID Number: 1950
 IATA Proper Shipping Name: AEROSOLS, 20, *
 IATA UN Class: 2.2
 IATA Label: NON-FLAMMABLE GAS
 AFI PSN Code: ANB
 AFI Prop. Shipping Name: AEROSOLS, NON-FLAMMABLE, N.O.S.
 AFI Class: 2.2
 AFI ID Number: UN1950
 AFI Special Prov: P4
 AFI Basic Pac Ref: A6.3

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 Disposal Data
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 Label Data
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Label Required: YES
 Technical Review Date: 17NOV97
 Label Status: F
 Common Name: FLUORI-METHANE
 Chronic Hazard: YES
 Signal Word: CAUTION!
 Acute Health Hazard-Moderate: X
 Contact Hazard-Slight: X
 Fire Hazard-None: X
 Reactivity Hazard-None: X
 Special Hazard Precautions: INHAL:VAP HEAVIER THAN AIR,SUFFOCATION BY RED OXY AVAI FOR BREATH.BREATH HI VAP CONC LIGHT-HEADED,GIDDINESS,SHORT OF BREATH,NARCOSIS,CARDIAC IRREG,UNCONSC,DEATH.SKIN:FROSTBITE,PROL LIQ CONTACT EYE/SKIN/CNS.1STAID:INHAL:MOVE TO FRESH AIR.NOT BREATH GIVE ART RESP,PREFER MOUTH-TO-MOUTH;DIFFI BREATH GIVE OXY.DONT GIVE EPINEPHRINE/SIMILAR DRUGS-MAY ELICIT CARDIAC DYSRRHYTHMIAS.EYE:FLUSH W/LOTS OF H2O 15MIN.CALL DR.SKIN:FROSTBITE OCCUR FLOOD/SOAK IN TEPID H2O(105-115F).NO HOT H2O.SEE DR IF NECESSARY.INGEST:NO SPEC INTERVENTION INDICATED.SEE DR IF NECESSARY.

Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: GEBAUER CHEMICAL CO
Label Street: 9410 ST CATHERINE AVE
Label City: CLEVELAND
Label State: OH
Label Zip Code: 44104-5526
Label Country: US
Label Emergency Number: 216-271-5252