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

-------------------------------------------

General Information

-------------------------------------------

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
Total 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

-------------------------------------------

Ingredients/Identity Information

-------------------------------------------

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

-------------------------------------------

Physical/Chemical Characteristics

-------------------------------------------

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 834F
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

Fire and Explosion Hazard Data

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 RUPRUITE & CONTENTS ARE RELEASED UNDER FIRE CONDITIONS.
Unusual Fire And Expl Hazards: CONTAINERS MAY RUPTURE UNDER FIRE CONDITIONS, DECOMPOSITION MAY OCCUR.

Reactivity Data

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 (HYDROGENCHLORIDE, HYDROGEN FLUORIDE, CARBONYL HALIDES).
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

Health Hazard Data

LD50-DC50 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, FROZI LIQ CONTACT CAN CAUSE DEFATTING. LITTLE EVIDENCE OF ABSORB THRU SKIN. EYE: FROSTBITE. INGEST: TOXICITY (SUP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: PER MSDS: CMPS IN MIX NOT CLASSIFIED AS CARC. BASED ON ANIMAL/HUMAN POSSESS NO HAZ RELATIVE TO SYS TOC, CARC, MUT, TERATO
Signs/Symptoms Of Overexp: SUFFOCATION BY REDUCING OXYGEN AVAIL FOR BREATHING HI VAP CONC LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, NARCOSIS, CARDIAC IRREG, UNCONSC, DEATH. FROSTBITE, DEFATTING OF SKIN, INGESTION LOW TOXICITY.
Med Cond Aggravated By Exp: SKIN DISEASES MAY BE AGGRAVATED BY VEREXPO.
Emergency/First Aid Proc: INHAL: REMOVE TO FRESH AIR, NOT BREATH GIVE ART RESPIR, PREFER MOUTH-TO-MOUTH; DIPPI BREATHE GIVE OXY, DON'T GIVE EPINEPHRINE/ SIMILAR DRUGS. THIS MAY ELICIT CARDIAC DYSRRHYTHMIAS. EYE: Flush W/PLENTY OF WATER FOR 15MIN. CALL DR. SKIN; FROSTBITE OCCUR FLOOD/SOAK FROZEN TISSUE IN TEPID WATER (105-115 F). DON'T USE HOT WATER. SEE DR IF NECESSARY. INGEST: NO SPEC INTERVENTION INDICATED-COMPO NOT LIKELY TO BE HAZ BY (SUPPL)

Precautions for Safe Handling and Use

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 40Z BTL LIBERATED IN 3000FT3 IS APPROX 340PPM.

Control Measures

Respiratory Protection: NONE NEEDED UNDER NORMAL CONDITIONS.
Ventilation: LOC EXHAU FOR LARGE SPILLS.MECH(ENG) 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:CONSULT DR IF NECESSARY.DONT INDUCE VOMIT AS HAZ OF ASPIRATING MATL INTO LUNGS GREATER THAN ALLOWING IT TO PROGRESS TRU INTESTINAL TRACT.

Transportation Data

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: ATY
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
AHI PSN Code: ANB
AHI Prop. Shipping Name: AEROSOLS, NON-FLAMMABLE, N.O.S.
AHI Class: 2.2
AHI ID Number: UN1950
AHI Special Prov: P4
AHI Basic Pac Ref: A6.3

Disposal Data

Label Data

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.BREATHE HE VAP CONC LIGHT-HEADED,GIDDINESS,SHORT OF BREATHE,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;DIFFT BREATHE GIVE OXY.DONT GIVE EPINEPHRINE/SIMILAR DRUGS-MAY ELICIT CARDIAC DYSRHYTHMIAS.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