

GEBAUER CHEMICAL -- ETHYL CHLORIDE
MATERIAL SAFETY DATA SHEET
GEBAUER CHEMICALNSN: 681000F014297
Manufacturer's CAGE: 23839
Part No. Indicator: A
Part Number/Trade Name: ETHYL CHLORIDE

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General Information
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Company's Name: GEBAUER CHEMICAL COMPANY
Company's Street: 9410 ST. CATHERINE AVENUE
Company's City: CLEVELAND
Company's State: OH
Company's Zip Code: 44104
Company's Emerg Ph #: (800) 321-9348
Company's Info Ph #: (216) 271-5252
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Date MSDS Prepared: 01MAR88
Safety Data Review Date: 15FEB91
Preparer's Company: GEBAUER CHEMICAL COMPANY
Preparer's St Or P. O. Box: 9410 ST. CATHERINE AVENUE
Preparer's City: CLEVELAND
Preparer's State: OH
Preparer's Zip Code: 44104
MSDS Serial Number: BJTXM

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: ETHYL CHLORIDE (SARA III)
Ingredient Sequence Number: 01
Percent: 100%
NIOSH (RTECS) Number: KH7525000
CAS Number: 75-00-3
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM; 9192
Other Recommended Limit: 2600 MG/CUM

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Physical/Chemical Characteristics
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Appearance And Odor: COLORLESS, WATER WHITE LIQUID W/A PUNGENT, ETHER-LIKE ODOR.
Boiling Point: 54F
Melting Point: -218F
Vapor Pressure (MM Hg/70 F): 20.3
Vapor Density (Air=1): 2.2
Specific Gravity: 0.921
Evaporation Rate And Ref: (BU AC = 1): >1
Solubility In Water: 0.57G/108G AT 68F
Percent Volatiles By Volume: 100%

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Fire and Explosion Hazard Data
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Flash Point: -58F
Flash Point Method: CC
Lower Explosive Limit: 3.2%

Upper Explosive Limit: 15.4%
Extinguishing Media: DRY CHEMICAL OR CO2 FOR SMALL FIRES.
Special Fire Fighting Proc: STOP FLOW OF GAS. SAFELY, USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. ALLOW FIRE TO BURN ITSELF OUT. USE SCBA. RESCUE PERSONNEL AVOID UNNECESSARY EXPOSURE.
Unusual Fire And Expl Hazrds: VAPOR IS >AIR, & TRAVEL TO A SOURCE OF IGNITION/FLASHBACK. AUTO-IGNITION TEMPS IS 966F. VAPOR MAY EXPLODE IF IGNITED IN ENCLOSED AREAS.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): SOURCE OF HEAT, IGNITION, OR MOISTURE, STATIC ELECTRIC DISCHARGE, EVAPORATION, SPARKING MOTORS. DON'T TEMPS >120F.
Materials To Avoid: OXIDIZERS, ALKALINE METALS, WATER, & STEAM.
Hazardous Decomp Products: PHOSGENE & HYDROGEN CHLORIDE
Hazardous Poly Occur: NO

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Health Hazard Data
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Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: SKIN: FROSTBITE/BLANCHING/COLDFEELING DIZZINESS/NAUSEA/LOSS OF COORDINATION/NARCOTIC/ANESTHETIC/CNS DEPRESSION/RESPIRATORY PARALYSIS/FATAL COMA W/RESPIRATORY/CARDIAC ARREST/SENSITIZE MYOCARDIUM/DYSRHYTHMIAS. INGESTION: LIVER/KIDNEY DAMAGE.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: SKIN: FROSTBITE/BLANCHING/COLD FEELING DIZZINESS/NAUSEA/LOSS OF COORDINATION/NARCOTIC/ANESTHETIC/CNS DEPRESSION/RESPIRATORY PARALYSIS/FATAL COMA W/RESPIRATORY/CARDIAC ARREST/SENSITIZE MYOCARDIUM/DYSRHYTHMIAS. INGESTION: LIVER/KIDNEY DAMAGE.
Emergency/First Aid Proc: EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN: UNINTENTIONAL FREEZING, FLOOD OR SOAK FROZEN TISSUE W/TEPID WATER (105-115F). DON'T USE HOT WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN IF NEEDED. KEEP VICTIM WARM & QUIET. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: ELIMINATE ALL SOURCES OF IGNITION. ALLOW TO EVAPORATE. VENTILATE ENCLOSED AREAS.
Waste Disposal Method: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS. FLAMMABLE LIQUID.
Precautions-Handling/Storing: PROTECT AGAINST PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL-VENTILATED AREA. DON'T SUBJECT CONTAINERS TO TEMPS >120F. FLAMMABLE LIQUID.
Other Precautions: DON'T USE NEAR SPARKING MOTORS OR OTHER NON-EXPLOSIVE EQUIPMENT. NO SMOKING SIGNS SHOULD BE POSTED WHEREVER ETHYL CHLORIDE IS USED OR STORED. CONTACT LENSES SHOULD NOT BE WORN.

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Control Measures
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Respiratory Protection: FOR EMERGENCY PURPOSE USE A POSITIVE PRESSURE

SELF-CONTAINED BREATHING APPARATUS.
Ventilation: MECHANICAL: HOOD
Protective Gloves: NEOPRENE, RUBBER
Eye Protection: SAFETY GLASSES, GOGGLES, FACE SHIELD
Other Protective Equipment: EYEBATH

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Transportation Data
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Disposal Data
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Label Data
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Label Required: YES
Label Status: G
Common Name: ETHYL CHLORIDE
Special Hazard Precautions: SKIN: FROSTBITE/BLANCHING/COLDFEELING
DIZZINESS/NAUSEA/LOSS OF COORDINATION/NARCOTIC/ANESTHETIC/CNS DEPRESSION/
RESPIRATORY PARALYSIS/FATAL COMA W/RESPIRATORY/CARDIAC ARREST/SENSITIZE
FROSTBITE/BLANCHING/COLD FEELING NUMBNESS/SENSITIZATION/ALTER PIGMENTATION.
EYE: IRRITATION. INHALATION: DIZZINESS/NAUSEA/LOSS OF COORDINATION/
NARCOTIC/ANESTHETIC/CNS DEPRESSION/RESPIRATORY PARALYSIS/FATAL COMA W/
LIVER/KIDNEY DAMAGE.
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