

**Product Name:** Blended Chlorobutyl

**Emergency Phone Number:** (330) 336-6616

## **MATERIAL SAFETY DATA SHEET**

Goldsmith & Eggleton

### **SECTION I - Product Identification**

**Product Name:** Blended Chlorobutyl

**Chemical Name:** Chlorinated isoprene/isobutylene polymer

**Chemical Family:** Chlorinated poly(alkene)

**CAS Number:** 68081-82-3

**This MSDS Prepared By:** Gene Lukinac

**Date:** September 30, 2002

\*\*\* (change in sp. Gr.)

### **SECTION II - Hazardous Components**

CAS number    OSHA PEL                      ACGIH TLV                      Other

**Ingredients Defined as Hazardous by OSHA, NTP or IARC Present at >1.00%**

None

**Ingredients Defined as Carcinogenic by OSHA, NTP or IARC Present at >0.10%**

None

### **SECTION III - Physical/Chemical Properties**

**Boiling Point:** not applicable

**Vapor Pressure (mm Hg):** negligible

**Vapor Density (air = 1):** not applicable

**Solubility in water:** negligible

**Specific Gravity:** approximately 0.92

**Melt Point:** not applicable

**Evaporation Rate (butyl acetate = 1) :** negligible

**Appearance:** white to yellow rubbery solid

**Odor:** slight rubber odor

### **SECTION IV - Fire and Explosion Data**

**Flash Point:** not determined

**Explosion Limits:** not applicable

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**LEL:** not applicable

**UEL:** not applicable

**Extinguishing media:** Carbon dioxide or foam preferred.

**Special Fire Fighting Procedures:** Positive pressure or demand-type respirators, face shields or goggles, balaclavas, coats, gloves and boots are indicated. No skin should be exposed.

**Unusual Fire and Explosion Hazards:** Material will produce hydrogen chloride and related products while burning. **Upon contact with water or mucous membranes, such as eyes, mouth or lungs, hydrogen chloride will form hydrochloric acid.** Personnel should not be exposed to smoke from this material without proper respiratory gear. Material may produce thick sooty smoke while burning. Material may soften and drip or flow slowly in extreme heat, although it will not become a free-flowing liquid. Material may develop a thick ashy crust under certain conditions, which could hinder extinguishing media from reaching seat of fire if crust is not broken away.

#### **SECTION V - Reactivity Data**

**Stability:** Stable

**Incompatibilities:** Strong oxidizers, strong bases

**Hazardous Decomposition Products:** oxides of carbon, halocarbons and hydrogen halides

**Hazardous Polymerization:** will not occur

**Conditions to Avoid:** store in cool, dry area

#### **SECTION VI - Health Hazard Data**

**Primary Routes of Entry:**

**Inhalation:** unlikely

**Skin:** common

**Ingestion:** unlikely

**Health Hazards:**

**Acute:** contact dermatitis

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**Chronic:** contact dermatitis

**Carcinogenicity:** not determined

**NTP Report?:** no

**IARC Monograph?:** no

**OSHA Regulated?:** no

**Signs or Symptoms of Exposure:** Itching or reddening of skin.

**Medical Conditions Generally Aggravated by Exposure:** Exposure to material may aggravate pre-existing dermatitis.

**Emergency First Aid Procedures:**

**Skin:** Wash with soap and water. See a doctor if irritation develops.

**Eyes:** Wash eyes with copious amounts of cool water. Prevent rubbing or wiping of eyes. Transport victim to emergency room. Have copy of this document available for medical personnel.

**Inhalation:** Material cannot be inhaled under ordinary circumstances.

### **SECTION VII - Precautions for Safe Handling and Use.**

**Steps to be taken if material is released or spilled:** Pick up spilled material. Clean and re-use spilled material or discard as deemed appropriate.

**Waste disposal method:** Dispose of unwanted material by recycling, landfilling, or other method in accordance with all applicable Federal, State and local ordinances.

**Precautions to be taken in handling and storage:** Low weight halocarbons left over from manufacturing process will slowly gas out of material as it sits. While these residual chemicals are present in the polymer at levels far below those required to be reported under CFR 29 1910.1200, a possibility exists for these substances to become concentrated in poorly-ventilated storage areas at levels in excess of those compatible with good safety practices. Among the factors which could influence the concentration of volatile halocarbons in a storage area are

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temperature, volume of the storage area, length of time in storage, amount of airflow, and airflow patterns. As all of these factors are outside the control of Goldsmith & Eggleton, it is impossible for us to predict what levels will be seen under your particular storage conditions. For these reasons, you are advised to store this material in a cool, well-ventilated area.

### **SECTION VIII - Control Measures**

**Respiration Protection:** No special precautions needed.

**Ventilation:** Store in a cool, well-ventilated area.

**Protective Gloves:** Cotton, canvas or other work gloves

**Eye Protection:** No special precautions needed.

**Other Protective clothing or equipment:** No special precautions needed.

**Other precautions:** No special precautions needed.

### **SECTION IX - Emergency and First Aid Procedures**

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**Ingestion of Material:** Ingestion is unlikely to occur under normal circumstances. If it should happen, transport victim to emergency room. Have copy of this document available for medical personnel.

**Fire:** Evacuate area, and call Fire Department. Material will produce hydrogen chloride and related products while burning. **Upon contact with water or mucous membranes, such as eyes, mouth or lungs, hydrogen chloride will form hydrochloric acid.** Personnel should not be exposed to smoke from this material without proper respiratory gear. Have copy of this document available for Fire Department personnel.

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## **Appendices**

### **Abbreviations**

ACGIH - American Council of Governmental Industrial Hygienists

DOT - Department of Transportation

EEC - European Economic Community

EPA - Environmental Protection Agency

IARC - International Agency for Research on Cancer

IDHL - Immediately Dangerous to Health and Life

LEL - Lower Explosive Limit

NFPA - National Fire Protection Association

NIOSH - National Institute of Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

REL - Recommended Exposure Limit

SARA - Superfund Amendment and Reauthorization Act

STEL - Short Term Exposure Limit

TLV - Threshold Limit Value

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

UEL - Upper Explosive Limit

### **User's Responsibilities**

No MSDS, this one included, can anticipate all possible situations which the user may encounter when using this product. All aspects of your operation must be thoroughly examined to determine whether additional precautions might be necessary. All information contained in this MSDS should be made available to your employees and customers. It is the responsibility of the user to institute appropriate safety and work rules and employee instructional programs for your particular operation.

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