



## MATERIAL SAFETY DATA SHEET

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**DATE:** 06/16/99

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**IN CASE OF SPILL EMERGENCY, DAY OR NIGHT, CALL CHEMTREC 1-800-424-9300**

### SECTION I PRODUCT IDENTIFICATION

**IDENTITY:** INSUL-BOND™ L

### SECTION II COMPOSITIONAL INFORMATION

<u>Ingredients</u>	<u>CAS Reg. No.</u>	<u>STEL</u> <u>OSHA</u>	<u>TLV</u> <u>ACGIH</u>
Inorganic Filler	1317-65-9	10	10 mg/m <sup>3</sup> (nuisance dust)
Acrylic Polymer	Not Hazardous	n.e.	n.e.
Ammonia	7664-47-7	35 ppm	25 ppm
Water	Not Hazardous	n.a.	n.a.
Trade Secret	Not Hazardous	n.e.	n.e.

### SECTION III PHYSICAL PROPERTY INFORMATION

Melting Point: 0°C (32°F)      Vapor Density (Air=1): <1  
Boiling Point: 100°C (212°F)      Vapor Pressure: n.e.  
Solubility in Water: Partially      Specific Gravity (Water=1): 1.4-1.5  
pH: 8-10      Evaporation Rate (Butyl Acetate=1): <1  
Appearance: White Textured Liquid      Viscosity: 101-108 PU  
Odor: Mild ammonia

### SECTION IV FIRE AND EXPLOSION HAZARD INFORMATION

**Flash Point:** Non-combustible

**Flammable Limits:** n.a.

**LEL:** n.a.

**UEL:** n.a.

**Extinguishing Media:** Use extinguishing agents appropriate for surrounding fire.

**Special Fire Fighting Procedures:** n.a.

**Unusual Fire and Explosion Hazards:** Material can splatter above 100°C (212°F). Dried polymer film can burn.

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<b>SECTION V</b>	<b>HEALTH HAZARD INFORMATION</b>
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**EFFECTS OF OVEREXPOSURE**

**Inhalation:** Vapors or mist can cause irritation of the mucous membranes of the nose, throat and respiratory tract. It may also cause headaches and nausea.

**Skin Contact:** May be irritating to the skin upon repeated or prolonged contact.

**Eye Contact:** Slightly irritating to eyes.

**Effects of Repeated Overexposure:** Reddening of eyes and skin upon contact. Coughing upon inhalation of vapors.

**Medical Conditions Aggravated by Exposure:** Hypersensitive individuals may develop allergic dermatitis.

**EMERGENCY AND FIRST AID PROCEDURES**

**Inhalation:** Move subject to fresh air.

**Skin and Eye Contact:** Flush eyes with large amounts of water for at least 15 minutes. Wash affected skin areas with soap and water, if irritation persists consult a physician.

**Ingestion:** If accidentally ingested, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

<b>SECTION VI</b>	<b>REACTIVITY INFORMATION</b>
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**Stability:** Stable

**Conditions to avoid:** Temperatures over 177°C (350°F) may cause decomposition.

**Incompatibility:** There are no known materials which are incompatible with this product.

**Hazardous Decomposition Products:** Thermal decomposition may yield acrylic monomers.

**Hazardous Polymerization:** Will not occur.

<b>SECTION VII</b>	<b>SPILL OR LEAK PROCEDURE INFORMATION</b>
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If spilled, floor may be slippery; use care to avoid falling. Soak-up spills with sand, earth or other inert material. Transfer to containers for disposal. Landfill or incinerate the waste in accordance with local, state, and federal regulations. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

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<b>SECTION VIII</b>	<b>PERSONAL PROTECTION INFORMATION</b>
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**Ventilation Type:** There should be plenty of natural air flow in the work area. In the event of a spill in an enclosed area, utilize a mechanical system to induce air flow.

**Respiratory Protection:** None required if there is good ventilation; otherwise wear a respirator (MSHA/NIOSH approved or equivalent) suitable for concentration and type of contaminants encountered.

**Hand Protection:** Gloves normally not required.

**Eye Protection:** Normally not required, however clear safety glasses or goggles may be used (ANSI Z87.1 or approved equivalent).

<b>SECTION IX</b>	<b>STORAGE AND HANDLING INFORMATION</b>
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**Storage Temperature:** Max 49°C/120°F                      Min 5°C/40°F

**Precautions to be Taken in Handling and Storage:** Keep from freezing; product may coagulate or gel. Keep material from direct sunlight. Store in a sheltered area.

<b>SECTION X</b>	<b>TOXICITY INFORMATION</b>
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**Acute Data:** The information shown in the HEALTH HAZARD INFORMATION, Section V, is based on the toxicity profiles for a number of acrylic polymers that are compositionally similar to the acrylic polymer used in this product.

<b>SECTION XI</b>	<b>REGULATORY INFORMATION</b>
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**WORKPLACE CLASSIFICATIONS:** This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). This product is not a controlled product under the Canadian Workplace Hazardous Materials Information System (WHMIS).

**EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3)**

Section 311/312 Categorizations (40CFR 370): This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Section 313 Information (40CFR 372): This product does not contain a chemical which is listed in Section 313 above deminimis concentrations.

**CERCLA INFORMATION (40CFR 302.4):** Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

**RCRA INFORMATION:** When this product becomes a waste, it is classified as a non-hazardous waster under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

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<b>SECTION XI (CONT.)      REGULATORY INFORMATION</b>
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**CHEMICAL CONTROL LAW STATUS:** All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**STATE RIGHT-TO-KNOW LAWS:** Not applicable.

**TRANSPORTATION CLASSIFICATION:** US DOT: Hazard Class.....NONREGULATED

**HAZARDOUS RATING:** (for material as packaged)

Health/Toxicity	1
Flammability	0
Reactivity	0
Personal Protection	A

**SCALE:**

4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0=Insignificant

**NOTE:** HMIS, NFPA, and El Rey ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

<b>SECTION XII      ADDITIONAL INFORMATION</b>
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n.e. = Not established; n.a. = Not applicable/not available; n.d. = Not determined; NOS = Not Otherwise Specified; RQ = Reportable Quantity; resp. = Respirable dust; TLV - Threshold Limit Value; PEL = Permissible Exposure Limit; STEL - Short Term Exposure Limits (15 minutes); TWA - Time Weighted Average (8 hour); ANSI - American National Standards Institute; REL - Recommended Exposure Limits (developed by the NIOSH); NIOSH - National Institute for Occupational Safety and Health; OSHA -Occupational Safety and Health Administration; ACGIH = American Conference of Governmental Industrial Hygienists; LEL = Lower Explosive Limit; UEL = Upper Explosive Limit; ppm = parts per million; TSCA = Toxic Substance Control Act; SARA = Superfund Amendments and Reauthorization Act; DOT = Department of Transportation; WHMIS = Workplace Hazardous Materials Information System (Canadian).

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