



MATERIAL SAFETY DATA SHEET

MANUFACTURER: PAREXLAHABRA, INC.
ADDRESS: EI REY STUCCO
4100^{1/2} BROADWAY S.E.
ALBUQUERQUE, NM 87105
TELEPHONE: (505) 873-1181

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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™ LIQUID ADMIXTURE

SECTION II COMPOSITIONAL INFORMATION

<u>Ingredients</u>	<u>CAS Reg. No.</u>	<u>OSHA STEL</u>	<u>ACGIH TLV</u>
Acrylic Polymer	Not Hazardous	n.e.	n.e.
Ammonia	7664-41-7	35 ppm	25 ppm
Water	7732-18-5	n.a.	n.a.
Trade Secret	Not Hazardous	n.e.	n.e.

Note: Ammonia content is a maximum 0.144 %, by weight.

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: Dilutable **Specific Gravity (Water=1):** 1.03 - 1.05
pH: 9.5 – 10.5 **Evaporation Rate (Butyl/Acetate=1):** <1
Appearance: Milky White Liquid **Viscosity:** n.e.
Odor: Slight ammonia **VOC:** 0

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: None.
Unusual Fire and Explosion Hazards: Material can splatter above 100°C (212°F). Dried polymer film can burn.

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SECTION V	HEALTH HAZARD INFORMATION
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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.

HAZARDOUS RATING: (for material as packaged)

Health/Toxicity

1

Flammability

0

Reactivity

0

Personal Protection

B

SCALE:

4 = Severe

3 = Serious

2 = Moderate

1 = Slight

0 = Minimal

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.

Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association.

SECTION VI	REACTIVITY INFORMATION
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General Stability: Stable

Conditions to Avoid: Temperatures over 177°C (350°F)

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.

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SECTION VII	SPILL OR LEAK PROCEDURE INFORMATION
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If spilled, floor may be slippery; use care to avoid falling. Soak-up spills with sand or earth. 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.

SECTION VIII	PERSONAL PROTECTION INFORMATION
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Respiratory Protection: None required if airborne concentrations are maintained below the STEL/TLV's listed in the Section II, Compositional Information. For airborne concentrations up to 10 times the STEL/TLV's listed, wear a OSHA/NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with organic vapor cartridges.

Hand Protection: Neoprene glove (s) may provide protection against permeation. Gloves of other chemically resistant materials may provide adequate protection.

Eye Protection: Use chemical splash goggles (ANSI Z-87.1) or approved safety glasses.

SECTION IX	STORAGE AND HANDLING INFORMATION
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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.

SECTION X	TOXICITY INFORMATION
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Acute Data: The information shown in the Section V, Health Hazard Information, is based on the toxicity profiles for a number of acrylic polymers that are compositionally similar to the acrylic polymer used in this product.

SECTION XI	REGULATORY INFORMATION
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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

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SECTION XI (continued)	REGULATORY INFORMATION
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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 waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

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: Any material listed as "Non Hazardous" in the CAS REG NO. column of the COMPOSITIONAL INFORMATION, Section II of this MSDS is trade secret.

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

SECTION XII	ADDITIONAL INFORMATION
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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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