

# MATERIAL SAFETY DATA SHEET

HELMIBOND PS Adhesive

DATE: June 17, 2008

---

## 1. Chemical Product and Company Identification:

---

**MANUFACTURER:** HELMITIN, INC

**US:** 11110 AIRPORT ROAD  
OLIVE BRANCH, MS 38654  
662-895-4565

**CANADA:** 99 SHORNCLIFFE ROAD  
TORONTO, ONTARIO M8Z 5K7  
416-239-3105

**EMERGENCY PHONE:**

800-424-9300 (CHEMTREC)

613-996-6666 (CANUTEC)

**TRADE NAME:** HELMIBOND PS Adhesive

**PRODUCT DESCRIPTION:** Water Based Acrylic Flooring Adhesive

---

## 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS:

---

MATERIAL	CAS #	% BY WT.	OSHA EXPOSURE GUIDELINES
			TLV-TWA      PEL-STEL

No known hazardous ingredients at levels above 1% by weight

---

## 3. HAZARDS IDENTIFICATION:

---

**EMERGENCY OVERVIEW:** Can cause eye irritation

**POTENTIAL HEALTH EFFECTS:**

EYE CONTACT: May cause slight irritation.

SKIN CONTACT: No effect known.

INGESTION: Not likely to occur. If swallowed, no side effects known.

INHALATION: No effect known.

**CHRONIC EFFECTS / CARCINOGENICITY:**

IARC: Not suspected as a human carcinogen.

OSHA: Not suspected as a human carcinogen.

NTP: Not suspected as a human carcinogen.

OTHER: None known.

---

## 4. FIRST AID MEASURES:

---

EYES: Immediately flush with water for 15 minutes. Contact a physician if irritation occurs.

SKIN: Wash with soap and water. Contact a physician if irritation occurs.

INGESTION: Induce vomiting, contact a physician.

INHALATION: Remove to fresh air. Contact a physician if irritation occurs.

Continued on next page:

---

## 5. FIRE FIGHTING MEASURES AND FIRE HAZARDS:

---

FLASH POINT (°) F: None.  
LOWER FLAMMABLE LIMIT: None.  
UPPER FLAMMABLE LIMIT: None.

FIRE-FIGHTING INSTRUCTIONS: Use protective clothing and self-contained breathing apparatus.

EXTINGUISHING MEDIA: Water fog, CO<sub>2</sub>, dry chemical, and chemical foam.

DECOMPOSITION PRODUCTS: Dried material may produce CO, CO<sub>2</sub>, H<sub>2</sub>O, N<sub>x</sub>O, and other products from the burning of aromatic hydrocarbons.

---

## 6. ACCIDENTAL RELEASE MEASURES:

---

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Dispense sand or vermiculite. Collect and place in waste container. Wash area thoroughly with water.

---

## 7. HANDLING AND STORAGE:

---

HANDLING: Use good hygienic practices. (Wash hands before eating, using washroom, or smoking.) Keep out of the reach of children.

STORAGE: Store above 40°F.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

RESPIRATORY PROTECTION: Not normally required with good ventilation.

SKIN PROTECTION: Wear gloves if contact with material is likely.

EYE PROTECTION: Wear splash goggles if contact with material is likely.

ENGINEERING CONTROLS: Normal room ventilation.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

---

APPEARANCE AND ODOR: White colored paste with little or no odor.

SPECIFIC GRAVITY (WATER = 1): 0.98

BOILING POINT (°F): 212

VAPOR PRESSURE: Same as water.

VAPOR DENSITY (air=1): Same as water.

% VOLATILE BY WEIGHT: 42

pH: 7.75

---

## 10. STABILITY AND REACTIVITY:

---

CHEMICAL STABILITY: Stable.

INCOMPATIBLE MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

Continued on next page:

---

**11. TOXICOLOGICAL INFORMATION:**

---

This product has been tested for toxicity (acute inhalation; acute dermal; skin irritation; oral) and has been found to be non-toxic as defined by The Federal Hazardous Substance Act, 16 CFR 1500.3.

---

**12. ECOLOGICAL INFORMATION:**

---

No information available.

---

**13. DISPOSAL CONSIDERATIONS:**

---

Dispose of in accordance with Federal, State and Local regulations.

**PROPER WASTE DISPOSAL IS THE RESPONSIBILITY OF THE OWNER OF THE WASTE!**

---

**14. TRANSPORTATION INFORMATION:**

---

For domestic transportation purpose, this product is not designated as a hazardous material by the U.S. Department of Transportation (DOT).

---

**15. REGULATORY INFORMATION:**

---

TSCA: All ingredients are listed under the Toxic Substance Control Act

Volatile Organic Compounds: 0 lbs/gallon (SCAQMD Rule 1168)

HMIS RATINGS:	Health = 1	Flammability = 1
	Reactivity = 0	Personal Protective Equipment = B

Hazard Index: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe

---

**16. OTHER INFORMATION:**

---

All employees, contractors, etc., who use this product must have access to this Material Safety Data Sheet.  
PREPARED BY: Helmitin, Inc. Laboratory (rw)

---

## 17. DEFINITIONS

---

**CFR:** Code Of Federal Regulations. A collection of regulations established by law.

**CARCINOGEN:** A material that either causes cancer in humans, or is considered capable of causing cancer in humans.

**COMBUSTIBLE:** A term used to classify certain materials with low flash points that ignite easily. For OSHA it has a flash point >100°F but below 200°F.

**D.O.T.:** U.S. Dept. Of Transportation

**FLASH POINT:** The lowest point at which a liquid gives off sufficient vapor to form an ignitable mixture with air.

**HAZARDOUS:** Any substance or mixture of substances having properties capable of producing adverse effects on the health or safety of a human.

**IARC:** International Agency for Research on Cancer

**IRRITANT:** A substance capable of causing an inflammatory effect on living tissue by chemical action at the site of contact.

**LD50:** LETHAL DOSE 50. The single dose of a substance that causes death of 50% of an animal population from exposure to the substance from any route other than inhalation.

**L.E.L.:** Lower Explosive Limit. The lowest concentration of vapor that burns or explodes when an ignition source is present at ambient temperatures.

**L.F.L.:** Lower Flammable Limit. Same as L.E.L.

**N.A.:** Not applicable or not available.

**N.E.:** Not established

**N.F.P.A.:** National Fire Protection Association

**N.I.O.S.H.:** National Institute of Occupational Safety And Health.

**N.T.P.** National Toxicology Program.

**O.S.H.A.:** The Occupational Safety And Health Administration

**P.E.L.-S.T.E.L.:** Permissible Exposure Limit, Short Term Exposure Limit.

**T.L.V.-T.W.A.:** Threshold Limit Value, Time Weighted Average

**T.S.C.A.:** Toxic Substance Control Act

**TOXIC:** Any chemical or material that has evidence of an acute or chronic health hazard and is listed in the NIOSH REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES.

**V.O.C.:** Volatile Organic Compound