

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): **LATICRETE® 9 Mastic**

CHEMICAL FAMILY: Ceramic Tile Adhesive

MANUFACTURER : LATICRETE INTERNATIONAL, INC.  
Laticrete Park North  
Bethany, CT 06524-3423 USA

Reviewed & Approved By:  
Steven B. Fine  
Steven B. Fine  
Sr. Research Chemist/Safety Officer

Phone number for additional information: (203) 393-0010

Date prepared or revised: 1/07 Name of preparer: S.B. Fine

## II. HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS NUMBERS	PERCENT	ACGIH		OSHA		COMPANY	
			TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
Ethylene Glycol	107-21-1	1.0-5.0	N.E.	50 ppm*	N.E.	50 ppm	N.E.	NO
Stoddard solvent	8052-41-3	1.0-5.0	100 PPM	N.E.	350 PPM	500 ppm.	N.E.	NO

(See Section 16 for abbreviation legend), \* - TLV-Ceiling Value

Remaining ingredients are not considered hazardous per the OSHA Hazard Communication Standard.

Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); limits may vary between states.

## SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING! Harmful if inhaled. Harmful or fatal if swallowed. May irritate eyes, skin, nose, and respiratory tract.

POTENTIAL HEALTH EFFECTS:

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact with skin may cause irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Vapor may irritate nose and upper respiratory tract, cause dizziness, nausea, or headaches.

EFFECTS OF OVEREXPOSURE - INGESTION: Ingestion of ethylene glycol in excess may lead to respiratory cardiac failure as well as kidney and liver damage. Ingestion of this product can cause gastrointestinal irritation, vomiting, and diarrhea.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Reports have associated permanent brain and nervous system damage with prolonged and repeated occupational overexposure to solvents. Ingestion of Ethylene Glycol in excess may lead to respiratory and cardiac failure, and kidney and liver damage. Prolonged or repeated contact with skin may cause irritation.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: None known.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT - INHALATION

## **LATICRETE 9 Mastic**

### **SECTION 4 - FIRST AID MEASURES**

EYE CONTACT: Flush with large quantities of water until irritation subsides. Contact a physician.

SKIN CONTACT: Wash with soap and water.

INHALATION: Remove to fresh air. Contact a physician immediately.

INGESTION: DO NOT INDUCE VOMITING. Contact a physician or Regional Poison Control Center immediately.

COMMENTS: None

### **SECTION 5 - FIRE FIGHTING MEASURES**

FLASH POINT: >200F (SETAFLASH CLOSED CUP)	LOWER EXPLOSIVE LIMIT: N/A
	UPPER EXPLOSIVE LIMIT: N/A

AUTOIGNITION TEMPERATURE: N.E.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

ACCIDENTAL RELEASE MEASURES

### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

SPILL OR LEAK PROCEDURES: Use absorbent material or scrape up dried material and place into containers.

### **SECTION 7 - HANDLING AND STORAGE**

HANDLING INFORMATION: KEEP OUT OF REACH OF CHILDREN. Avoid prolonged or repeated contact with skin. Avoid contact with eyes.

STORAGE INFORMATION: Store away from caustics and oxidizers. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Do not store at temperatures above 120 degrees F.

OTHER PRECAUTIONS: Use in a well ventilated area. Provide fresh air such that chemical odors cannot be detected during use and while drying. Construction and repair activities can adversely affect indoor air quality. Consult with the occupants or a representative (i.e., maintenance, building manager, industrial hygienist, or safety officer) to determine ways to minimize any impact.

### **SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: Good mechanical ventilation and local exhaust.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Not required under normal usage and adequate ventilation.

EYE PROTECTION: Safety glasses with side shields recommended.

SKIN PROTECTION: Gloves recommended for repeated or prolonged contact with skin.

OTHER PROTECTIVE EQUIPMENT: None

## LATICRETE 9 Mastic

**HYGIENIC PRACTICES:** Although this product is not considered an eye irritant, inhalation hazard, or a skin contact hazard under normal conditions, it is advisable that personnel minimize skin contact, inhalation of vapors, and eye contact. Remove contaminated clothing and wash before reuse.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range:	210 - 220 F	Vapor Density:	Is heavier than air
Odor:	Mild Solvent Odor		
Appearance:	Smooth buff color	Evaporation Rate:	Is slower than Butyl Acetate
Solubility in H2O:	N.E.	VOC	136 g/l
Specific Gravity:	1.498 g/cc		
Vapor Pressure:	17.5mm Hg @ 68F		
Physical State:	Paste		

(See Section 16 for abbreviation legend)

### SECTION 10 - STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Excessive heat and freezing.  
**INCOMPATIBILITY:** Strong oxidizers and caustics.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Normal decomposition products, i.e., COx, NOx.  
**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.  
**STABILITY:** This product is stable under normal storage conditions.

### SECTION 11 - TOXICOLOGICAL PROPERTIES

Ethylene glycol Oral LD50 Rat 4000 mg/kg Dermal LD50 Rabbit 9530µL/kg

### SECTION 12 - ECOLOGICAL INFORMATION

No information.

### SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE MANAGEMENT/DISPOSAL:** Dispose of according to Federal, State, and Local Standards. This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulations, 40 CFR Section 261. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.  
**EPA WASTE CODE -** If discarded (40 CFR 261): None.

### SECTION 14 - TRANSPORTATION INFORMATION

**DOT PROPER SHIPPING NAME:** Not Regulated by D.O.T.  
**DOT HAZARD CLASS:** None  
This product is not regulated for air freight.  
**DOT UN/NA NUMBER:** None **PACKING GROUP:** None

### SECTION 15 - REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS:** AS FOLLOWS -  
**OSHA:** Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).  
**SARA SECTION 313:**  
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WT/WT % RANGE</u>
Ethylene glycol	107-21-1	1.0-5.0%

#### TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
No information is available.	

NEW JERSEY RIGHT-TO-KNOW:

**LATICRETE 9 Mastic**

The following materials are non-hazardous, but are among the top five components in this product:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Water	7732-18-5
Acrylic Polymer	TRSN-5144P
Calcium Carbonate	1317-65-3

**LATICRETE 15 Premium Multi-Mastic Adhesive**

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Water	7732-18-5
Acrylic Polymer	Proprietary
Calcium Carbonate	1317-65-3

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

CHEMICAL NAME	CAS NUMBER
No Proposition 65 chemicals exist in this product.	

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

**SECTION 16 - OTHER INFORMATION**

HMIS RATINGS - Health: 2                      FLAMMABILITY: 1                      REACTIVITY: 0

VOC less water, less exempt solvent: 125 - 135 g/L)

LEGEND:	ACGIH -	AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
	N.A. -	NOT APPLICABLE
	N.E. -	NOT ESTABLISHED
	PEL -	PERMISSIBLE EXPOSURE LIMIT
	NTP -	NATIONAL TOXICOLOGY PROGRAM
	SARA -	SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986
	STEL -	SHORT TERM EXPOSURE LIMIT
	TLV -	THRESHOLD LIMIT VALUE (8 HR. TIME WEIGHTED AVERAGE OR TWA)
	VOC -	VOLATILE ORGANIC COMPOUND
	NJRTK -	NEW JERSEY RIGHT TO KNOW LAW
	N.D. -	NOT DETERMINED

This data is offered in good faith as typical values and not as a product specification. No warranty either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations in specific context of the intended use and determine if they are appropriate.