

SAFETY DATA SHEET

1. Identification

Product identifier	LATICRETE LATASIL 9118 Primer
Other means of identification	None.
Recommended use	Primer.
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/	Distributor information
Company Name	LATICRETE International
Address	1 Laticrete Park, N
	Bethany, CT 06524
Telephone	(203)-393-0010
Contact person	Steve Fine
Website	www.laticrete.com
Emergency phone number	Call CHEMTREC day or night
	USA/Canada - 1.800.424.9300
	Mexico - 1.800.681.9531
	Outside USA/Canada
	1.703.527.3887
2. Hazard(s) identification	

Physical hazards	Flammable liquids Category 2	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2 (Central nervous System, Hearing organs)
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3
OSHA defined hazards	Not classified.	
Label elements		
Signal word	Danger	
Hazard statement	Highly flammable liquid and vapor. Causes ski	in irritation. Causes serious eye irritation. Suspect

Precautionary statement Prevention Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging the unborn child. May cause drowsiness or dizziness. May cause damage to organs (Central nervous System, Hearing organs) through prolonged or repeated exposure. Harmful to aquatic life.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If exposed or concerned: Get medical advice/attention. In case of fire: Use carbon dioxide for extinction.
Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

CAS number	%
67-63-0	10 - < 20
108-88-3	10 - < 20
Trade secret	5 - < 10
100-41-4	3 - < 5
1330-20-7	3 - < 5
	67-63-0 108-88-3 Trade secret 100-41-4

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation	Move into fresh air and keep at rest. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
Skin contact	Flush thoroughly with water for at least 15 minutes. Wash skin with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Flush thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.
Ingestion	Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Irritation of eyes and mucous membranes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Irritant effects. May cause temporary blindness and severe eye damage.
Indication of immediate medical attention and special treatment needed	Treat symptomatically. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If exposed or concerned: Get medical advice/attention.
5. Fire-fighting measures	
Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	By heating and fire, harmful vapors/gases may be formed.
Special protective equipment and precautions for firefighters	Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Move containers from fire area if you can do it without risk.
General fire hazards	Highly flammable liquid and vapor.

6. Accidental release measures

0. Accidental release meas	sules
Personal precautions, protective equipment and emergency procedures	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Do not breathe mist or vapor. Avoid contact with skin and eyes. Local authorities should be advised if significant spillages cannot be contained. Stay upwind. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering.
Methods and materials for containment and cleaning up	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water.
	Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Following product recovery, flush area with water. Absorb spillage with non-combustible, absorbent material.
	Small Spills: Clean surface thoroughly to remove residual contamination.
	Never return spills in original containers for re-use.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. The product is highly flammable, and explosive vapor/air mixtures may be formed even at normal room temperatures. Do not handle or store near an open flame, heat or other sources of ignition. Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Do not smoke. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Use only in well-ventilated areas. Avoid prolonged exposure. Use Personal Protective Equipment recommended in section 8 of the SDS. Wash thoroughly after handling. Handle and open container with care.
Conditions for safe storage, including any incompatibilities	Follow rules for flammable liquids. Keep away from heat, sparks and open flame. Store in cool place. Keep in a well-ventilated place. Keep container tightly closed. Keep in an area equipped with sprinklers. Keep this material away from food, drink and animal feed. Use care in handling/storage. Keep away from sources of ignition - No smoking.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	rpe Value	
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
Propan-2-ol (CAS 67-63-0)	PEL	980 mg/m3	
		400 ppm	
Xylene (CAS 1330-20-7)	PEL	435 mg/m3	
		100 ppm	
US. OSHA Table Z-2 (29 CFR 1910	.1000)		
Components	Туре	Value	
Toluene (CAS 108-88-3)	Ceiling	300 ppm	
	TWA	200 ppm	
US. ACGIH Threshold Limit Values	6		
Components	Туре	Value	
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Propan-2-ol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Туре	Value	
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m3	
		125 ppm	
	TWA	435 mg/m3	
		100 ppm	
Propan-2-ol (CAS 67-63-0)	STEL	1225 mg/m3	
		500 ppm	
	TWA	980 mg/m3	
		400 ppm	
Toluene (CAS 108-88-3)	STEL	560 mg/m3	
		150 ppm	
	TWA	375 mg/m3	
		100 ppm	
Xylene (CAS 1330-20-7)	STEL	655 mg/m3	
		150 ppm	
	TWA	435 mg/m3	
		100 ppm	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Propan-2-ol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
* - For sampling details, ple	ase see the source doo	cument.		
posure guidelines	Follow standard m	onitoring procedures		

US - California OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Toluene (CAS 108-88-3) Skin designation applies. Explosion proof exhaust ventilation should be used. Use process enclosures, local exhaust Appropriate engineering ventilation, or other engineering controls to control airborne levels below recommended exposure controls limits. Use explosion-proof equipment. Provide easy access to water supply or an emergency shower. Individual protection measures, such as personal protective equipment Eye/face protection Wear goggles/face shield. Skin protection Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is Hand protection advisable. Suitable gloves can be recommended by the glove supplier. Skin protection Other Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves. Protective shoes or boots. Structural firefighters protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations. Wear chemical protective equipment that is specifically recommended by the Personal Protective Equipment manufacturer.

Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Launder contaminated clothing before reuse. Remove and isolate contaminated clothing and shoes. Observe any medical surveillance requirements.

9. Physical and chemical properties

Appearance	Clear liquid.
Physical state	Liquid.
Form	Liquid.
Color	Clear. Colorless.
Odor	Solvent odor.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not applicable.
Initial boiling point and boiling range	180.32 °F (82.4 °C) (Propan-2-ol)
Flash point	48.2 °F (9.0 °C) Tag Closed Cup
Evaporation rate	> 1 (Butyl acetate = 1)
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1 % (Xylene)
Flammability limit - upper (%)	7 % (Xylene)
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	4.2 kPa (20 °C) (Propan-2-ol)
Vapor density	2.1 (air=1) (Propan-2-ol)
Relative density	0.98 (25 °C)
Solubility(ies)	
Solubility (water)	Insoluble in water. (Hydrolyzed with water)
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	200 mPa·s (25 °C)
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
10. Stability and reactivity	

The product is stable and non-reactive under normal conditions of use, storage and transport.
Stable at normal conditions.
Reacts with water and moisture in air liberating methanol.
Heat, flames and sparks.

Incompatible materials	Strong oxidizing agents. Water. Acids. Alkalis.
Hazardous decomposition products	Methanol. Carbon monoxide. Carbon dioxide. Silicon dioxide. Formaldehyde.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headaches, nausea and vomiting.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion may cause irritation and malaise.
Symptoms related to the physical, chemical and toxicological characteristics	Irritation of eyes and mucous membranes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Irritant effects. May cause temporary blindness and severe eye damage.

Information on toxicological effects

Acute toxicity May cause discomfort if swallowed.

·····,	.,	
Components	Species	Test Results
Ethylbenzene (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	15400 mg/kg
Inhalation		
LC50	Rat	17.4 mg/l, 4 hours
Oral		
LD50	Rat	3500 - 4700 mg/kg
Propan-2-ol (CAS 67-63-0)		
Acute		
Dermal		
LD50	Rabbit	12870 mg/kg
Inhalation		
LC50	Rat	72.6 mg/l, 4 hours
Oral		
LD50	Rat	4710 mg/kg
Foluene (CAS 108-88-3)		
Acute		
Inhalation LC50	Rat	8000 mg/l, 4 Hours
	Nat	8000 mg/l, 4 mours
Oral LD50	Rat	2.6 g/kg
(ylene (CAS 1330-20-7)		2.0 9/19
Acute		
Oral		
LD50	Rat	3523 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye	Causes serious eye irritation.	
rritation		
Respiratory or skin sensitizatio	n	
Respiratory sensitization	Not classified.	
Skin sensitization	Not a skin sensitizer.	
Germ cell mutagenicity	Not classified.	
Carcinogenicity	Suspected of causing cancer.	
IARC Monographs. Overall	Evaluation of Carcinogenicity	
Ethylbenzene (CAS 100-41-4)		2B Possibly carcinogenic to humans.

Propan-2-ol (CAS 67-63-0	 3 Not classifiable as to carcinogenicity to humans. 	
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.	
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.	
NTP Report on Carcinogens		
Not listed.		
OSHA Specifically Regulated	d Substances (29 CFR 1910.1001-1050)	
Not regulated.		
Reproductive toxicity	Suspected of damaging the unborn child.	
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.	
Specific target organ toxicity - repeated exposure	May cause damage to organs (Central nervous System, Hearing organs) through prolonged or repeated exposure.	
Aspiration hazard	Not classified.	
Chronic effects	Xylene: May cause damage to the liver and kidneys.	
Further information	No other specific acute or chronic health impact noted.	

12. Ecological information

Ecotoxicity	Harmful to aquatic life.			
Components		Species	Test Results	
Ethylbenzene (CAS 100-41-	4)			
Aquatic				
Acute				
Crustacea	EC50	Water flea (Daphnia magna)	1.81 - 2.38 mg/l, 48 hours	
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4.2 mg/l, 96 hours	
Chronic				
Crustacea	EC50	Ceriodaphnia dubia	3.6 mg/l, 7 days	
Propan-2-ol (CAS 67-63-0)				
Aquatic				
Acute				
Crustacea	LC50	Daphnia magna	> 10000 mg/l, 24 hours	
Chronic				
Crustacea	EC50	Daphnia magna	> 100 mg/l, 21 days	
Xylene (CAS 1330-20-7)				
Aquatic				
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.6 mg/l, 96 hours	
ersistence and degradability	Expected t	o degrade rapidly in water due to hydroly	sis. [Alkoxysilane].	
ioaccumulative potential	•	No data available for this product.		
Partition coefficient n-octa				
Ethylbenzene (CAS 100-41-		3.15		
Propan-2-ol (CAS 67-63-0)	,	0.05		
Toluene (CAS 108-88-3)		2.73		
Xylene (CAS 1330-20-7)		3.2		
obility in soil		No data available.		
lobility in general	•	The product is insoluble in water.		
ther adverse effects	The produce potential.	The product contains volatile organic compounds which have a photochemical ozone creation potential.		
3. Disposal consideration	ons			
Disposal instructions	incinerate	Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.		
ocal disposal regulations		in accordance with local regulations.		
		-		

 Hazardous waste code
 D001: Waste Flammable material with a flash point <140 °F(60°C).</th>

LATICRETE LATASIL 9118 Primer

Waste from residues / unused
productsDispose in accordance with applicable federal, state, and local regulations.Contaminated packagingDispose of in accordance with local regulations. Empty containers should be taken to an approved
waste handling site for recycling or disposal.

14. Transport information

DOT		
UN number	UN1866	
UN proper shipping name	Resin solution	
Transport hazard class(es)		
Class	3	
Subsidiary risk	-	
Label(s)	3	
Packing group	II	
	Read safety instructions, SDS and emergency procedures before handling.	
Special provisions	149, B52, IB2, T4, TP1, TP8	
Packaging exceptions	150	
Packaging non bulk	173	
Packaging bulk	242	
ΙΑΤΑ		
UN number	UN1866	
UN proper shipping name	Resin solution	
Transport hazard class(es)		
Class	3	
Subsidiary risk	-	
Packing group	II.	
Environmental hazards	No.	
ERG Code	3L	
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.	
IMDG		
UN number	UN1866	
UN proper shipping name	RESIN SOLUTION	
Transport hazard class(es)		
Class	3	
Subsidiary risk	-	
Packing group	II	
Environmental hazards		
Marine pollutant	No.	
EmS	F-E, <u>S-E</u>	
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.	
Transport in bulk according to	This product is not intended to be transported in bulk.	
Annex II of MARPOL 73/78 and		
the IBC Code		
General information	IATA classification is not relevant as the material is not transported by air.	
15. Regulatory information		
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication	
	Standard, 29 CFR 1910.1200.	
TSCA Section 12(b) Export N	lotification (40 CFR 707, Subpt. D)	
Not regulated.		
	1 Substances (29 CFR 1910.1001-1050)	
Not regulated.		
CERCLA Hazardous Substar	nce List (40 CFR 302.4)	
Ethylbenzene (CAS 100-4		
Toluene (CAS 108-88-3)	LISTED	
	-	

Superfund Amendments and Re Hazard categories	authorization Act of 1986 (SA Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No	RA)	
SARA 302 Extremely hazard	lous substance		
Not listed.			
SARA 311/312 Hazardous chemical	Yes		
SARA 313 (TRI reporting)			
Chemical name		CAS number	% by wt.
Propan-2-ol		67-63-0	10 - < 20
Toluene		108-88-3	10 - < 20
Ethylbenzene Xylene		100-41-4 1330-20-7	3 - < 5 3 - < 5
•		1330-20-7	3
Other federal regulations			
	112 Hazardous Air Pollutante	s (HAPs) List	
Ethylbenzene (CAS 100-4 Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)	41-4)		
• • • •	112(r) Accidental Release Pr	evention (40 CFR 68	3.130)
Not regulated.			
Safe Drinking Water Act (SDWA)	Not regulated.		
Drug Enforcement Adm Chemical Code Number		ential Chemicals (21	CFR 1310.02(b) and 1310.04(f)(2) and
Toluene (CAS 108-8	8-3)	6594	
•	inistration (DEA). List 1 & 2 E	xempt Chemical Mix	xtures (21 CFR 1310.12(c))
Toluene (CAS 108-8	8-3)	35 %WV	
DEA Exempt Chemical I	Mixtures Code Number		
Toluene (CAS 108-8	8-3)	594	
US state regulations	WARNING: This product cont and birth defects or other repr		wn to the State of California to cause cancer
US. Massachusetts RTM	C - Substance List		
Ethylbenzene (CAS ⁻ Propan-2-ol (CAS 67 Toluene (CAS 108-8	Ź-63-0)		
US. New Jersey Worker	and Community Right-to-Kno	ow Act	
Ethylbenzene (CAS ⁷ Propan-2-ol (CAS 67 Toluene (CAS 108-8 Xylene (CAS 1330-2	7-63-0) 8-3)		
	er and Community Right-to-K	now I aw	
Ethylbenzene (CAS			
Propan-2-ol (CAS	,		
Toluene (CAS 108-8			
Xylene (CAS 1330-2	0-7)		
US. Rhode Island RTK			
Ethylbenzene (CAS 1 Propan-2-ol (CAS 67 Toluene (CAS 108-8 Videne (CAS 1220 2)	7-63-0) 8-3)		

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Ethylbenzene (CAS 100-41-4) Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

warranty express or implied.

Issue date	17-February-2016
Revision date	-
Version #	01
NFPA ratings	2 0
References	HSDB® - Hazardous Substances Data Bank Registry of Toxic Effects of Chemical Substances (RTECS)
Disclaimer	The information in this (M)SDS was obtained from sources which we believe are reliable but cannot guarantee. Additionally, your use of this information is beyond our control and may be beyond our knowledge. Therefore, the information is provided without any representation or