



# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking.

### 1.1 Product identifier

Trade name or designation of the mixture : Surface build 110 clear part B  
Registration number : -  
Synonyms :  
Issue date : -  
Version number :  
Revision Date : -  
Supersedes date : -

1.2 Relevant identified uses of the substance : Epoxy Stone adhesive  
or mixture and uses advised against

### 1.3 Details of the supplier of the safety data sheet

Company Name: LATICRETE EUROPE SRL  
Address: Via Viazza, 1°Tornco -41043 Formigine (MO) -ITALY  
Telephone: +39 059 557680  
Contact Person: M.Bertani  
E-Mail: info@laticreteeuropa.com  
Web site: www.laticrete.eu

1.4 Emergency telephone no: Centro Antiveleni Policlinico A. Gemelli – ROMA – Tel +39 06 3054343

## SECTION 2: Hazards identification.

### 2.1 Classification of the Substance or mixture:





The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification apply,

**Classification according to Regulation (EC) No 1272/2008 as amended**



#### Hazard summary

Physical hazards : Not Classified

Health hazards :

-  Warning, H315 Skin corrosion/irritation
-  Danger, H318&319 Serious eye damage/eye irritation
-  Warning, Sensitization, skin
-  Danger, Reproductive toxicity

Environmental hazards :

-  Hazardous to the aquatic environment, acute Hazard
-  Hazardous to the aquatic environment, long-term hazard

Specific hazards : NA

## 2.2 Label elements

**Label according to Regulation (EC) No. 1272/2008 as amended** : The product is classified and labeled according to the CLP-regulation.

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** :

H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage  
H317 May Cause an allergic skin reaction  
H361 Suspected of damaging fertility or the unborn child  
H441 Toxic to aquatic life with long lasting effects

**Precautionary statements**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Do not breathe mist or vapour  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P 273 Avoid release to the environment.

**Prevention :**

P309+P313 IF exposed or concerned: Get medical advice/attention.  
P301+P330 IF SWALLOWED: Rinse mouth, Do NOT induce vomiting.  
P303+P362 IF ON SKIN (or hair): Take off immediately all contaminated clothing  
P303+P353 Rinse skin with water/shower  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention  
P333+P363 Wash contaminated clothing before reuse.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P341 IF IN EYES: Rinse cautiously with water for several minutes.  
P305+P338 Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTRE/doctor.  
P391 Collect spillage.

**Storage** : Store locked up ( Further details Refer Section 7.2 )

**Disposal** : Dispose of contents/container in accordance with local/regional/national/

International regulations

**Supplemental label information** : Nil

### 2.3 Other Hazards

None in case of intended use.

Results of the PBT and vPvB assessment

**PBT** : Inapplicable.

**vPvB** : Inapplicable

## SECTION 3: Composition/information on ingredients.

### 3.2 Chemical characterization: Mixtures

#### General information

Mixtures-Chemical name	CAS Number	EINECS No	%	Notes
Benzyl alcohol	100-51-6	202-859-9	20 - 40	Acute Tox. 4 * H302
2,4,6-Tris-(dimethylaminomethyl)- phenol	90-72-2	202-013-9	1 - 5	Skin Sens. 1 H317;Acute Tox. 4 * H302
m-Phenylenebis(methylamine)	1477-55-0	216-032-5	1-3	H302;Skin Sens. 1 H317
Tetraethylene pentamine	112-57-2	203-986-2	< 1	H302;Skin Sens. 1 H317

#### List of abbreviations and symbol may be used above

CLP: Regulation No. 1272/2008.

**Composition comments:** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all R- and H-phrases is displayed in section 16.

### SECTION 4: First aid measures

**General information:** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 4.1 Description of first aid measures

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

**Skin contact** : Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Get medical attention immediately.

**Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Ingestion** : Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.

#### 4.2 Most important symptoms

**and effects both acute and delayed** : Rash. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could

result.

#### 4.3 Indication of any immediate medical

**attention and special treatment needed** : Provide general supportive measures and treat symptomatically.  
Symptoms may be delayed.

Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance.  
Continue flushing during transport to hospital.

### SECTION 5: Firefighting measures

#### General fire hazards

##### 5.1 Extinguishing media

**Suitable Extinguishing Media** : Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).  
**Unsuitable extinguishing media** : Do not use water jet as an extinguisher, as this will spread the fire.

##### 5.2 Special hazards arising

**from the substance or mixture** : Heating may cause the release of ammonia vapors.

##### 5.3 Advice for firefighter's

**Special protective equipment for firefighters.**

: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire fighting procedures** : In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : Avoid dust formation, avoid contact with eyes and skin and ensure supply of fresh air.

**For emergency responders** : Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

Local authorities should be advised if significant spillages cannot be contained.

**6.2 Environmental precautions** : Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.

#### 6.3 Methods and material for

**containment and cleaning up** : Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

## 6.4 Reference to other sections :

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling** : Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapour. Do not get in eyes, on skin, on clothing. Persons susceptible for allergic reactions should not handle this product. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**7.2 Conditions for safe storage including any incompatibilities** : Keep container tightly closed. Store in a cool and well-ventilated place. Store away from incompatible materials (see section 10 of the SDS).

**7.3 Specific end use(s)** : No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limits** :  
US. ACGIH Threshold Limit Values

Components		Type	Value
Benzyl alcohol (CAS TWA 44.2 mg/m <sup>3</sup>	100-51-6)	TWA	44.2 mg/m <sup>3</sup>

**Biological limit value** : No biological exposure limits noted for the ingredient(s).

**Recommended Monitoring procedures** : Data not available

**Derived no-effect level (DNEL)** : Data not available.

**Predicted no effect concentrations (PNECs)**: Data not available.

### 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station

**General information** : Wear chemical protective equipment that is specifically recommended by the manufacturer. Eye wash fountain is recommended. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** : Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed

### **Skin protection**

**-Hand protection** : Wear appropriate chemical resistant gloves .

**- Other** : Wear appropriate chemical resistant clothing.

**Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** : Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls** : Environmental manager must be informed of all major releases.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

#### **Appearance**

<b>Physical State</b>	: liquid
<b>Form</b>	: liquid
<b>Colour</b>	: NA
<b>Odour</b>	: NA
<b>Odour threshold</b>	: Not available
<b>pH</b>	: Not applicable.
<b>Melting point/freezing point</b>	: Not applicable.
<b>Initial boiling point and boiling range</b>	: 401 - 477 °F (205 - 247.22 °C)
<b>Flash point</b>	: 213.0 °F (100.6 °C)
<b>Evaporation rate</b>	: Not applicable.
<b>Flammability (solid, gas)</b>	: Not available
<b>Upper/lower flammability or explosive limits</b>	: Data not available
<b>Flammability limit - lower (%)</b>	: 1.2%
<b>Flammability limit - upper (%)</b>	: Data not available
<b>Vapour pressure</b>	: Not applicable.

<b>Vapour density</b>	: 3.72 (Air=1)
<b>Relative density</b>	: 1.007 g/cm <sup>3</sup>
<b>Solubility (ies)</b>	: Insoluble
<b>Partition coefficient (n-octanol/water)</b>	: Data not available
<b>Auto-ignition temperature</b>	: Data not available
<b>Decomposition temperature</b>	: Data not available
<b>Viscosity</b>	: Data not available
<b>Explosive properties</b>	: The product is not self-igniting
<b>9.2 Other information</b>	: No relevant information available.

## SECTION 10: Stability and reactivity

- 10.1 Reactivity** : Corrosive to certain metals. Copper Aluminum. Zinc.
- 10.2 Chemical stability** : Material is stable under normal conditions.
- 10.3. Possibility of hazardous reactions** : No dangerous reaction known under conditions of normal use.
- 10.4. Conditions to avoid** : Heat, flames and sparks. Contact with incompatible materials.
- 10.5. Incompatible materials** : Alkali metals. Oxidizing agents. Strong acids.
- 10.6. Hazardous decomposition Products** : Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Nitrogen oxides.

## SECTION 11: Toxicological information

**General information:** No data Available

Information on likely routes of exposure

- Inhalation** : May cause respiratory irritation.
- Skin contact** : Causes skin burns. May cause an allergic skin reaction.
- Eye contact** : Causes serious eye damage.
- Ingestion** : May cause burns of the gastrointestinal tract if swallowed.
- Symptoms** : Rash. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

### 11.1 Information on toxicological effects

**Acute toxicity** : May cause discomfort if swallowed.

Components	Species	Test results
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Benzyl alcohol (CAS 100-51-6)

**Acute****Dermal**

LD50	Rabbit	2000 mg/kg
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**Inhalation**

LC50	Rat	> 4178 mg/m <sup>3</sup> , 4 hours
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**Oral**

LD50	Rat	1230 - 3100 mg/kg
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**Skin corrosion/irritation** : Causes severe skin burns and eye damage.  
**Serious eye damage/eye irritation** : Causes serious eye damage.  
**Respiratory Sensitization** : Based on available data, the classification criteria are not met.  
**Skin sensitization** : May cause an allergic skin reaction  
**Germ cell mutagenicity** : No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.  
**Carcinogenicity** : This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.  
**Reproductive toxicity** : Suspected of damaging fertility or the unborn child  
**Specific target organ toxicity - Single exposure** : No data available.  
**Specific target organ toxicity - Repeated exposure** : No data available.  
**Aspiration hazard** : No data available.  
**Mixture versus substance information** : No data available.

**Other Information** : The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for mixtures as issued in the latest version:  
 Irritating

**SECTION 12: Ecological information**

**12.1 Toxicity** : Toxic to aquatic life with long lasting effects.

Components	Species	Test results
Benzyl alcohol (CAS 100-51-6)		
<b>Aquatic</b>		
Fish	LC50 Fathead minnow (Pimephales promelas)	460 mg/l, 96 hours
<b>12.2 Persistence and degradability</b> : No further relevant information available.		
<b>12.3 Bioaccumulative potential</b> : No further relevant information available.		
<b>Partition coefficient n-octanol/water (log Kow)</b>		
	: Benzyl alcohol (CAS 100-51-6)	1.1
	: Tetraethylene pentamine (CAS 112-57-2)	1.503
<b>Bioconcentration factor (BCF)</b> : No further relevant information available.		



**12.4 Mobility in soil/Mobility in general** : Not available.

**12.5 Results of PBT and vPvB assessment** : In applicable.

**12.6 Other adverse effects** : No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Residual waste** : Dispose of in accordance with local regulations.

**Contaminated packaging** : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**EU waste code** : The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. Refer European waste catalogue 06 08 99 wastes N.O.S.

**Disposal methods/information** : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Special precautions** : Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### TDG

<b>UN number</b>	UN3263
<b>UN proper shipping name</b>	Corrosive solid, basic, organic, n.o.s. (4-Nonylphenol, branched, Tetraethylene pentamine)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

### IATA

<b>UN number</b>	: UN3263
<b>UN proper shipping name</b>	: Corrosive solid, basic, organic, n.o.s. (4-Nonylphenol, branched, Tetraethylene pentamine)
<b>Transport hazard class(es)</b>	
<b>Class</b>	: 8
<b>Subsidiary risk</b>	: NA
<b>Label(s)</b>	: 8
<b>Packing group</b>	: III
<b>Environmental hazards</b>	:Yes

ERG Code : 8L

**IMDG**

UN number : UN3263

UN proper shipping name : CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (4-Nonylphenol, branched, tetraethylene pentamine)

Transport hazard class(es)

Class : 8

Subsidiary risk : NA

Label(s) : 8

Packing group : III

Marine pollutant : Yes

Environmental hazards

EmS : F-A, S-B

**Special precautions for user:** Read safety instructions, SDS and emergency procedures before handling

**14.3. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA.

### Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as

amended  
Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

#### Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Directive 94/33/EC on the protection of young people at work

National regulations : Follow national regulation for work with chemical agents.

#### 15.2 Chemical safety assessment

For this substance a chemical safety assessment is not required.

#### SECTION 16: Other information

##### List of abbreviations

**DNEL:** Derived No-Effect Level.

**PNEC:** Predicted No-Effect Concentration.

**PBT:** Persistent, bioaccumulative and toxic.

**vPvB:** Very Persistent and very Bioaccumulative.

**CAS:** Chemical abstract Services (division of the American Chemical Society)

**ADN:** Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

**IMDG:** international Maritime code for Dangerous Goods.

**IATA:** International Air Transport Association.

##### References

**HSDB®** - Hazardous Substances Data Bank

**RTECS** - Registry of Toxic Effects of Chemical Substances

##### Information on evaluation method : leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**Full text of any statements or R-phrases and H-statements under Sections 2 to 15** R36/38 Irritating to eyes and skin  
R63 Possible risk of harm to the unborn child  
H315 Causes skin irritation.  
H318&319 Serious eye damage/eye irritation  
H441 Toxic to aquatic life with long lasting effects

**Training information** Follow training instructions when handling this material.

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