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	**: WB Epoxy Primer Part B**
Registration number	**: -**
Synonyms	**:**
Issue date	**: -**
Version number	**:**
Revision Date	**: -**
Supersedes date	**: -**

1.2 Relevant identified uses of the substance or mixture and uses advised against : **Epoxy primer**

1.3 Details of the supplier of the safety data sheet

Company Name:	**LATICRETE EUROPE SRL**
Address:	**Via Viazza, 1°Tronco,19 -41043 Formigine (MO) -ITALY**
Telephone:	**+39 059 557680**
Contact Person:	**M.Bertani**
E-Mail:	**info@laticreteeurope.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 :

GHS07 GHS05 GHS08 GHS09

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
Diethylenetriamine	111-40-0	203-865-4	< 1	Skin Irrit. 2 H315 ;Eye Irrit. 2 H319;Eye Dam. 1 H318
1-Methoxy-2-propanol	107-98-2	203-539-1	10 - 15	Acute Tox. 4 * H302
2-Methoxy-1-propanol	1589-47-5	16-455-5	< 1	Skin Sens. 1 H317;Acute Tox. 4 * H302
Tetraethylene pentamine	112-57-2	203-986-2	< 1	Acute Tox. 4 * 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_2).
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
1-Methoxy-2-propanol (CAS 107-98-2)	STEL	100 ppm

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

Physical State	: Solid
Form	: Paste
Colour	: amber
Odour	: characteristic
Odour threshold	: Not available
pH	: Not applicable.
Melting point/freezing point	: Not applicable.
Initial boiling point and boiling range	: 212 °F (100 °C)
Flash point	: 95.0 °F (35.0 °C)
Evaporation rate	: Not applicable.
Flammability (solid, gas)	: Not available
Upper/lower flammability or explosive limits	: Data not available
Flammability limit - lower (%)	: 2.3 %
Flammability limit - upper (%)	: 20 %
Vapour pressure	: 23 hPa

Vapour density	**:** Not applicable.
Relative density	**:** 1.006 g/cm3 (20°C/ 68°F)
Solubility (ies)	**:**miscible
Partition coefficient (n-octanol/water)	**:** Data not available
Auto-ignition temperature	**:** Data not available
Decomposition temperature	**:** Data not available
Viscosity	**:** Data not available
Explosive properties	**:** The product is not self-igniting
9.2 Other information	**:** 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 (CO2). 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
1-Methoxy-2-propanol (CAS 107-98-2)		
Acute		

Dermal

LD50	Rat	> 2000 mg/kg
ORAL LD50	Rat	3739 mg/kg

Diethylenetriamine (CAS 111-40-0)

Acute

Dermal

LD50	Rabbit	550 mg/kg

Oral

LD50	Rat	2800 mg/kg

Tetraethylene pentamine (CAS 112-57-2)

Acute

Dermal

LD50	Rabbit	0.66 g/kg

Oral

LD50	Rat	2.1 g/kg

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.

12.2 Persistence and degradability : No further relevant information available.

12.3 Bioaccumulative potential : No further relevant information available.

Partition coefficient n-octanol/water (log Kow) : Tetraethylene pentamine (CAS 112-57-2) 1.503

Bioconcentration factor (BCF) : 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

UN number UN1993

UN proper shipping name

Transport hazard class(es) Flammable liquids, n.o.s. (Concrete primer)

Class 3

Subsidiary risk -

Packing group III

Environmental hazards NO

Read safety instructions, SDS and emergency procedures before handling.

Special precautions for user

Special provisions B1, B52, IB3, T4, TP1, TP29

Packaging exceptions 150

Packaging non bulk	203
Packaging bulk	242

IATA

UN number : UN1993

UN proper shipping name : Flammable liquid, n.o.s. (Concrete primer)

Transport hazard class(es)

Class	3
Transport hazard class(es)	
Subsidiary risk	-
Label(s)	3
Packing group	III
Environmental hazards	No

IMDG

UN number	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Concrete primer)
Class	3
Transport hazard class(es)	
Subsidiary risk	-
Label(s)	3
Packing group	III
Marine pollutant	No
Environmental hazards	
EmS	F-E, S -E

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

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.

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 warranty express or implied