



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 : Vapour reduction Coating-Part A
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°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 :

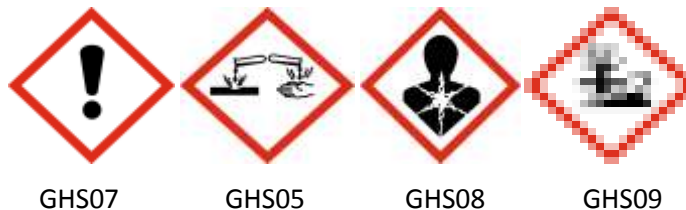
-  Hazardous to the aquatic environment, acute Hazard
-  Hazardous to the aquatic environment, long-term hazard

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 :



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
Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated	1173092-74-4	630-554-4	15 - 20	Skin Irrit. 2 H315 ;Eye Irrit. 2 H319;Eye Dam. 1 H318
4-Tert-butylphenol	25620-58-0	247-134-8	5 - 8	Acute Tox. 4 * H302
m-Phenylenebis(methylamine))	1477-55-0	216-032-5	1 - 3	Acute Tox. 4 H302;Skin Corr. 1B H314;Acute Tox. 4 H332
1,3-bis[3-(dimethylamino)propyl]urea 1	52338-87-1	257-861-2	0.5 - 1.5	Skin Sens. 1 H317;Acute Tox. 4 * H312;Aquatic Chronic 3 H412
Trimethylhexane-1.6-diamine	25620-58-0	247-134-8	5 - 9	Skin Sens. 1 H317;Acute Tox. 4 * H302

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 (CO₂).

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
m-Phenylenebis(methylamine) (CAS 1477-55-0)	Ceiling	0.1 mg/m ³

Canada. Alberta OELs

Components	Type	Value
m-Phenylenebis(methylamine) (CAS 1477-55-0)	Ceiling	0.1 mg/m ³

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

Physical state	Liquid.
Form	Liquid.
Color	Yellow.
Odor	Ammoniacal.
Odor threshold	Not available.
pH	alkaline
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 392 °F (> 200 °C)
Flash point	> 212.0 °F (> 100.0 °C)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Flammability limit – lower (%) Not available.
Flammability limit - lower (%)	upper
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	< 0.01 mm Hg (21°C)
Vapor density	Not available.
Relative density	1.04
Solubility(ies)	
Solubility (water)	Soluble in water.
Partition coefficient	

(n-octanol/water)
Auto-ignition temperature
Decomposition temperature
Viscosity 6
Other information

Not available.
Not available.
Not available.
80 cP (21°C)

Bulk density 1.049.2 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.

4-Tert-butylphenol (CAS 98-54-4)

LD50 Rat

Oral

Acute

3620 mg/kg

m-Phenylenebis(methylamine) (CAS 1477-55-0)

LD50 Rabbit

Dermal

Acute

2000 mg/kg

LC50 Rat

Inhalation

3.75 mg/l, 1 Hours

LD50

Oral

Rat

930 mg/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.

Components	Species	Test results
4-Tert-butylphenol (CAS 98-54-4) Aquatic		
Crustacea hours	EC50 Water flea (<i>Daphnia magna</i>)	3.4 - 4.5 mg/l, 48
Fish hours	LC50 Fathead minnow (<i>Pimephales promelas</i>)	4.71 - 5.62 mg/l, 96

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) : Benzyl alcohol (CAS 100-51-6) 1.1
 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

DOT

UN number UN2735

UN proper shipping name Amines, liquid, corrosive, n.o.s. (Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated, Trimethylhexane-1.6-diamine)

Class 8

Transport hazard class(es)

Subsidiary risk -

Label(s) 8

Packing group III

Marine pollutant No

Environmental hazards

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

Special provisions IB3, T7, TP1, TP28

Packaging exceptions 154

Packaging non bulk 203

Packaging bulk 241

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

IATA

UN number UN2735

UN proper shipping name Amines, liquid, corrosive, n.o.s. (Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated, Trimethylhexane-1.6-diamine)

Class

Transport hazard class(es) 8

Subsidiary risk -

Label(s) 8

Packing group III

Environmental hazards No

ERG Code 8L

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

IMDG

UN number UN2735

UN proper shipping name Amines, liquid, corrosive, n.o.s. (Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated, Trimethylhexane-1.6-diamine)

Class

Transport hazard class(es) 8

Subsidiary risk -

Label(s) 8

Packing group III

Marine pollutant No

Environmental hazards

EmS F-A, S-B

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

Transport in bulk according to This substance/mixture 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.

SECTION 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 Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US. Massachusetts RTK - Substance List

m-Phenylenebis(methylamine) (CAS 1477-55-0)

US. New Jersey Worker and Community Right-to-Know Act

m-Phenylenebis(methylamine) (CAS 1477-55-0)

Trimethylhexane-1,6-diamine (CAS 25620-58-0)

US. Pennsylvania Worker and Community Right-to-Know Law

m-Phenylenebis(methylamine) (CAS 1477-55-0)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

Not Listed.

International Inventories

Country(s) or region I	nventory 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)	No
	European Inventory of Existing Commercial Chemical Substances (EINECS)	
Europe		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	No
Philippine (PICCS)	Inventory of Chemicals and Chemical Substances	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).

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

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