



# 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 : Spartacote Flex PURE™ CLEAR  
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

### 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@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, H332 Harmful if inhaled Category 4  
 Warning, H315 Skin corrosion/irritation Category 2  
 Danger, H318&319 Serious eye damage/eye irritation Category 2B  
 Warning, H317 May cause an allergic skin reaction Sensitization, skin Category 1  
 Danger, H334 Sensitization, respiratory Category 1

#### Environmental hazards :

 Hazardous to the aquatic environment, acute Hazard Category 3  
 Hazardous to the aquatic environment, long-term hazard Category 3

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** :



GHS09

GHS07

GHS08

**Signal word** : Danger

**Hazard statements** :

H315 Causes skin irritation.

H319 Causes serious eye irritation

H317 May Cause an allergic skin reaction

H411 Toxic to aquatic life with long lasting effects

### Precautionary statements

- P201 Obtain special instructions before use.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- 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 :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.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P391 **Collect spillage.** dical advice/attention if you feel unwell.

### Storage

- : P420 Store away from incompatible materials
- P405 Store locked up (Further details Refer Section 7)

### Disposal

- : Dispose of contents/container in accordance with local **International**

**Response** : P314-Get me 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

CAS No	EINECS/Reach Reg. No	Chemical Name	%	Classification according to Regulation (EC) No 1278/2008 (CLP).
28182-81-2	500-060-2	Homopolymer of Hexamethylene Diisocyanate	74- 80	Skin Sens. 1 H317
88917-22-0	618-219-0	Dipropylene glycol methyl ether acetate	15- 17	Acute Tox. 4 H302, Skin Irrit. H315, 2, Eye Irrit. 2 H319.
104810-48-2	600-603-4	Hydroxyphenyl - benzotriazole derivatives	0.8- 1.5	Skin Sens. 1 H317, Aquatic Chronic 2 H411
104810-47-1	400-830-7	Hydroxyphenyl-benzotriazole derivatives	0.8-1.5	Skin Sens. 1 H317, Aquatic Chronic 2 H411
41556-26-7	255-437-1	Bis(1,2,2,6,6-pentamethyl-4-pi peridyl) sebacate	0.6-0.9	Skin Sens. 1 H317, Aquatic Chronic 1 H400, Aquatic Chronic 1 H410
822-06-0	212-485-8	Hexamethylene-1, 6-diisocyanate	0.5 - 1	Acute Tox. 4 H302, Skin Corr. 1C H314, Skin Sens. 1 H317, Acute Tox. 1 H330, Resp. Sens. 1 H334
82919-37-7	280-060-7	Methyl 1,2,2,6,6-pentamethyl-4- piperid yl sebacate	0.15-0.21	Skin Sens. 1 H317, Aquatic Chronic 1 H400, Aquatic Chronic 1 H410

#### 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. If you feel unwell, seek medical advice (show the label where possible). Wash contaminated clothing before reuse.

##### 4.1 Description of first aid measures

**Inhalation** : Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** : Remove contaminated clothing immediately and wash skin with soap and water. In case of

eczema or other skin disorders: Seek medical attention and take along these instructions.

- 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 if irritation develops and persists
- Ingestion** : Rinse mouth. Get medical attention if symptoms occur.

**4.2 Most important symptoms and effects both acute and delayed** : Rash. Irritant effects

**4.3 Indication of any immediate medical attention and special treatment needed** : Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

## SECTION 5: Firefighting measures

**General fire hazards** : No unusual fire or explosion hazards noted.

### 5.1 Extinguishing media

**Suitable Extinguishing Media** : Water fog. Foam. 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** : During fire, gases hazardous to health may be formed.

### 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.

## 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. 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** : Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Persons with epoxy allergy should not work with this product. Wear appropriate personal protective equipment. Provide adequate ventilation. Observe good industrial hygiene practices

**7.2 Conditions for safe storage including any incompatibilities** : Keep container tightly closed. Store in a 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** : No exposure limits noted for ingredient(s).

**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).

## 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

<b>Appearance</b>	: White Liquid
<b>Physical State</b>	: Liquid
<b>Form</b>	: Viscous liquid
<b>Colour</b>	: Off white
<b>Odour</b>	: Not available
<b>Odour threshold</b>	: Not available
<b>pH</b>	: Not available
<b>Melting point/freezing point</b>	: Not applicable.
<b>Initial boiling point and boiling range</b>	: 466 °F (241.11 °C)
<b>Flash point</b>	: 217.0 °F (102.8 °C)
<b>Evaporation rate</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available
<b>Upper/lower flammability or explosive limits</b>	: Data not available
<b>Flammability limit - lower (%)</b>	: Data not available
<b>Flammability limit - upper (%)</b>	: Data not available
<b>Vapour pressure</b>	: Not applicable.
<b>Vapour density</b>	: 6.5 (air = 1)

<b>Relative density</b>	: 1.104
<b>Solubility (ies)</b>	: Insoluble
<b>Partition coefficient (n-octanol/water)</b>	: Not available
<b>Auto-ignition temperature</b>	: Not available
<b>Decomposition temperature</b>	: Not available
<b>Viscosity</b>	: 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** : The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2 Chemical stability** : Material is stable under normal conditions.
- 10.3. Possibility of hazardous reactions** : Masses of more than 1 pound of product plus an aliphatic amine will cause irreversible polymerization with considerable heat buildup.
- 10.4. Conditions to avoid** : Excessive heat. Contact with incompatible materials.
- 10.5. Incompatible materials** : Strong oxidizing agents
- 10.6. Hazardous decomposition Products** : At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Aldehydes.

## SECTION 11: Toxicological information

**General information:** No data Available

### Information on likely routes of exposure

- Inhalation** : No adverse effects due to inhalation are expected.
- Skin contact** : Irritating to skin. May cause an allergic skin reaction..
- Eye contact** : Irritating to eyes.
- Ingestion** : May cause discomfort if swallowed
- Symptoms** : Rash. Irritant effects.

### 11.1 Information on toxicological effects

**Acute toxicity** May cause discomfort if swallowed

**Skin corrosion/irritation** : Causes skin irritation  
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (CAS 41556-26-7)

*Oral*

**Acute**

D50

Rat

2369 - 4247 mg/kg

Dipropylene glycol methyl ether acetate (CAS 88917-22-0)

**Acute**

## Dermal

LD50 Rabbit > 5000 mg/kg

Homopolymer of Hexamethylene Diisocyanate (CAS 28182-81-2)

### Acute

#### Inhalation

LC50 Rat 4.62 mg/l, 4 h

**Serious eye damage/ eye irritation** : Causes serious eye irritation  
**Respiratory Sensitization** : No data available.  
**Skin sensitization** : May cause an allergic skin reaction  
**Germ cell mutagenicity** : Not expected to be mutagenic  
**Carcinogenicity** : This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.  
**Reproductive toxicity** : This product is not expected to cause reproductive or developmental effects  
**Specific target organ toxicity - Single exposure** : No data available.  
**Specific target organ toxicity - Repeated exposure** : No data available.  
**Aspiration hazard** : No data available.  
**Chronic effects** : Prolonged or repeated contact may cause drying, cracking, or irritation.

**Other Information** : NA

## SECTION 12: Ecological information

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

Components	Species	Test results
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (CAS 41556-26-7)		
<b>Aquatic</b>		
Fish	LC50 Bluegill (Lepomis macrochirus)	1 mg/l, 96 Hours
Hydroxyphenyl - benzotriazole derivatives (CAS 104810-48-2)		
<b>Aquatic</b>		
<b>Acute</b>		
Algae	IC50 Algae	9mg/l, 72 hours
Crustacea	EC50 Daphnia	4 mg/l, 48 hours
Fish	LC50 Fish	2.8 mg/l, 96 hrs
Hydroxyphenyl-benzotriazole derivatives (CAS 104810-47-1)		
<b>Aquatic</b>		
<b>Acute</b>		
Algae	IC50 Algae	9mg/l, 72 hours



Crustacea	EC50	Daphnia	4 mg/l, 48 hours
Fish	LC50	Fish	2.8 mg/l, 96 hrs

**12.2 Persistence and degradability** : No data is available on the degradability of this product.

**12.3 Bioaccumulative potential** : No data available for this product.

**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. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see : Disposal instructions)..

**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. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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** : Not available

**UN proper shipping name** : Not available

**Transport hazard class(es)**

**Class** : Not available

**Subsidiary risk** : -

**Packing group** Not available  
**Environmental hazards**  
**Marine pollutant** Not available  
**Special precautions for user** Not available  
**Special provisions** Not available

#### IATA

**UN number** : Not available  
**UN proper shipping name** :  
**pentamine**) Not available)  
**Transport hazard class(es)**  
**Class** : Not available  
**Subsidiary risk** : NA  
**Label(s)** : Not available  
**Packing group** : Not available  
**Environmental hazards** : Not available  
**ERG Code** : Not available

#### IMDG

**UN number** : Not available  
**UN proper shipping name** : Not available  
**Class** : Not available  
**Transport hazard class(es)**  
**Subsidiary risk** : Not available  
**Label(s)** : Not available  
**Packing group** : Not available  
**Marine pollutant** : Not available Yes

#### **Environmental hazards**

**EmS** : Not available

**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:**

This substance/mixture is not intended to be transported in bulk.

### **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  
R43 - May cause sensitization by skin contact.  
H315 Skin corrosion/irritation.  
H318&319 Serious eye damage/eye irritation

## 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

