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	**:**	**FIBRO**
Registration number	**:**	-
Synonyms	**:**	None
Issue date	**:**	-
Version number	**:**	01
Revision Date	**:**	-
Supersedes date	**:**	-

1.2 Relevant identified uses of the substance or mixture and uses advised against **:** **Cement based Mortar A**

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 Directive 67/548/EEC or 1999/45/EC as amended

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

Hazard summary

Physical hazards	:	Not classified.
Health hazards	:	H315-Skin corrosion/irritation H318/H319-Serious eye damage/eye irritation H312-Sensitization, skin H350-Carcinogenicity H373-Specific target organ toxicity following repeated exposure
Environmental hazards	:	Not classified.
Specific hazards	:	Not classified.
Main symptoms	:	Not classified.

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 **:**

GHS05 **GHS07**

Signal word : Danger

Hazard statements : H315-Causes skin irritation.

H318/319-Causes serious eye damage.

H317-May cause an allergic skin reaction.

H335- It can irritate the respiratory tract.

Precautionary statements

General:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P318	It causes serious eye damage.
P315	It causes skin irritation.
H335	It can cause respiratory irritation.
H317	It may cause an allergic skin reaction.

Prevention :

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P280	Wear Protective gloves / protective clothing / eye protection / face protection.
P302 + P352	If On Skin: Wash with plenty of water.
P305 + P351 + P338	If In Eyes: Rinse cautiously with water for several minutes. Remove contact lenses,
P310	if it is easier to do it. Continue rinsing. Immediately call a poison control center.

Response:

P308+P313	IF EXPOSED OR CONCERNED: Get medical advice/attention.
P302+P353+P332+P313+P362	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse
P305+P351+P338+P311	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Storage **:** P404- Store in a closed container.

P403- Store in a well ventilated place.

Disposal **:** P501- Dispose of contents/container in accordance with local/regional/national/international regulations requirements.

Supplemental label information : Nil

2.3 Other Hazards **:** None Known

SECTION 3: Composition/information on ingredients.

3.2 Chemical characterization: Mixtures

General information

Classification-CLP

Chemical Name	%	CAS/EINECS	EC No	Reach Registration No	Notes
Crystal Silica Sand	25-50	14808-60-7	238-878-4	Not required according to Article 2 REACH Regulation (EC) No 1907/2006	H318-Causes Severe Eye damage/H319-Causes Serious Eye Irritation/H373-May Cause Damage to organs
Portland Cement	20-25	65997-15-1	266-043-4	Cement clinker is exempt from registration (Art 2.7 (b) and Annex V.10 of REACH).	H315-Causes Skin Irritation/ H319-Causes Serious Eye Irritation/H373-May Cause Damage to organs

List of abbreviations and symbol may be used above

CLP: Regulation No. 1272/2008. DSD:
Directive 67/548/EEC.

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. Call a physician, if symptoms develop or persist.

Skin contact: Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye contact: Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control centre immediately.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects both acute and delayed:

The product causes irritation to the airways, and if brought into contact with the skin it causes significant inflammation with erythema, scabs, and edema.

If you brought into contact with the eyes causes serious eye injury, such as opacity of the cornea or iris lesions.

If brought into contact with the skin may cause skin sensitization.

The product contains cement, that in contact with body fluids (sweat etc.) Produces a strong alkaline reaction which can cause irritation.

4.3 Indication of any immediate medical attention and special treatment needed: In case of accident or unwellness, seek medical advice immediately (if possible show directions for use or safety data sheet).

SECTION 5: Firefighting measures

General fire hazards

5.1 Extinguishing media

Suitable Extinguishing Media **:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media **:** Water with full jet.

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 **:** Use self contained breathing apparatus.
Special protective equipment for firefighters

Special fire fighting procedures **:** None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Keep unnecessary personnel away. Keep upwind. Avoid formation of dust. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation.

For emergency responders : protective clothing.

6.2 Environmental precautions **:** Allow to enter the ground/soil. Prevent runoff into surface water or into the sewer system. Hold the contaminated washing water and discard.

In case of gas escape or of entry into waterways and soil drains, inform the responsible authorities.

Suitable material: absorbing material, organic sand.

6.3 Methods and material for **:** Collect the product quickly wearing protective clothing.

After collection, wash the area with water and materials involved. Wash with plenty of water.

6.4 Reference to other sections **:** Never return spills in original containers for re-use.
For information regarding safe handling see section 7.
For personal protection, see Section 8 of the SDS.
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. Minimise dust generation and accumulation. Wear appropriate personal protective equipment. Do not breathe dust. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Observe good industrial hygiene practices.

7.2 Conditions for safe storage : Keep container tightly closed. Store in a cool, dry place out of direct sunlight,. Including any incompatibilities

Storage class : VCI-Storage Class: 8B-Non-flammable corrosive hazardous substances.

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits : Follow standard monitoring procedures.

Components	Type	Value	Form
Portland Cement (CAS 65997-15-1)	TWA	1 mg/m3	Pulmonary effect, respiratory symptoms, asthma Inhalable dust.
Crystal Silica Sand (CAS 14808-60-7)	TWA	0.025 mg/m3	Pulmonary fibrosis, lung cancer.

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.

Eye/face protection : Risk of contact: Wear safety glasses with side shields (or goggles).

Skin protection

-Hand protection : Wear appropriate chemical resistant gloves according to DIN EN 374.

- Other : Wear appropriate chemical resistant clothing.

Respiratory protection : Wear a dust mask if dust is generated above exposure limits.

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:	Powder
Form:	Powder.
Colour:	Grey
Odour:	Not available.
Odour threshold:	Not available.
pH	12
Melting point/freezing point	Not available.
Initial boiling point and boiling range	**:** Data not available
Flash point	**:** In applicable
Evaporation rate	**:** Data not available
Flammability (solid, gas)	**:** Data not available
Upper/lower flammability or explosive limits	**:** Data not available
Flammability limit - lower (%)	**:** Data not available
Flammability limit - upper (%)	**:** Data not available
Vapour pressure	**:** Data not available
Vapour density	**:** Data not available
Relative density	**:** Data not available
Solubility (ies)	**:** Data not available
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
Oxidizing properties	**:** Data not available
Density	:1.55 g/cm^3
9.2 Other information	**:** 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**	: Stable under recommended storage conditions.
10.3.	**Possibility of hazardous Reactions**	**:** No dangerous reaction known under conditions of normal use.
10.4.	**Conditions to avoid**	: Contact with incompatible materials.

10.5. Incompatible materials : None in particular.

10.6. Hazardous decomposition Products : No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information: No data Available

Information on likely routes of exposure

Inhalation : Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.

Skin contact **:** Causes skin irritation. May cause an allergic skin reaction. Prolonged contact with wet cement/mixture may cause burns.

Eye contact **:** Causes serious eye damage. Prolonged contact with wet cement/mixture may cause burns.

Ingestion **:** Swallowing may cause gastrointestinal irritation.

Symptoms **:**

Rash. Coughing. Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.

11.1 Information on toxicological effects

Acute toxicity : May cause discomfort if swallowed.

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/ eye irritation : Causes serious eye damage.

Respiratory Sensitization : No data available.

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 **:** May cause cancer. In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003)

ACGIH Carcinogens

Portland Cement (CAS 65997-15-1)	A4 Not classifiable as a human carcinogen.
Silica Sand (CAS 14808-60-7)	A2 Suspected human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Silica Sand (CAS 14808-60-7)	1 Carcinogenic to humans.

Reproductive toxicity : The product contains a small amount of substance that may damage fertility or the unborn child.

Specific target organ toxicity : Not classified.

- Single exposure

Specific target organ toxicity : May cause damage to organs (lung) through prolonged or repeated exposure.

- Repeated exposure

Aspiration hazard : Due to the physical form of the product it is not an aspiration hazard.

Mixture versus substance information : No data available.

Other Information : Inhalation of high concentrations of quartz dust can lead to the lung disease known as silicosis, with cough and shortness of breath.

SECTION 12: Ecological information

12.1 Toxicity : Adopt good working practices, avoiding disposal in the environment.

No data available on the mixture.

Biodegradation : not readily biodegradable

Biodegradability : no data available on the preparation

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.

Partition coefficient n-octanol/water (log Kow) : No further relevant information available.

Bioconcentration factor (BCF) : No further relevant information available.

12.4 Mobility in soil/Mobility in General : The product is insoluble in water and will sediment in water systems.

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 **:** Reuse, when possible. Operate according to local and national regulations. 91/156/EEC, 91/686/ EEC, 94/62/EC as amended and adapted.
Disposal of hardened product (EC waste code): 170101

Disposal of not hardened product (EC waste code): 170101

The European waste code suggested is based on the composition of the product.

According to the specific areas of commitment it may be necessary to assign a different waste code.

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

SECTION 14: Transport information

ADR : Not regulated as dangerous goods.

RID **:** Not regulated as dangerous goods.

ADN : Not regulated as dangerous goods.

IATA : Not regulated as dangerous goods.

IMDG : Not regulated as dangerous goods.

14.7. 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) **ADR:** (European Agreement concerning the International Carriage of Dangerous Goods by Road) **ADN**: (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. H315 Causes skin irritation. H319 Causes serious 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