



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 : Blended Quartz
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

Recommended restrictions : Chip
Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline quartz as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

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

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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

Hazard summary

Physical hazards : Not classified.

Health hazards : Skin Irrit.2 H315 caused skin irritation.

Eye Irrit.2, H319 Causes serious eye irritation.

H350-Carcinogenicity

H373-Specific target organ toxicity following repeated exposure

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

:



GHS08

GHS07

Signal word : Danger

Hazard statements : H315-Causes skin irritation.

Eye Irrit.2, H319 Causes serious eye irritation

H350-May cause cancer.

H373- May cause damage to organs (lung) through prolonged or repeated exposure.

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.

Prevention :

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read

and understood

P260 Do not breathe dust/fume

P280 Wear protective gloves/protective clothing/eye protection/face protection

P264 Wash thoroughly after handling

P272 Contaminated work clothing must not be allowed out of the workplace.

Response:

P308+P313 If exposed or concerned: Get medical advice/attention.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P302+P352 If on skin: Wash with plenty of water.

P332+P313+P362

If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

- Storage** : Refer point 7.2
Disposal : Dispose of waste and residues in accordance with local authority requirements.
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).
14808-60-7	238-878-4	Crystalline Silica (quartz) fine <1%	95-97	Not Classified
13463-67-7	236-675-5	Titanium dioxide	<1	Not Classified

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 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. Get medical attention if irritation develops and persists.

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

4.2 Most important symptoms and effects: Coughing. Irritant effects. Symptoms may include stinging, tearing, redness, both acute and delayed swelling, and blurred vision. Prolonged exposure may cause chronic effects.

4.3 Indication of any immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards

5.1 Extinguishing media

Suitable Extinguishing Media : Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media : None known.

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

Special fire fighting procedures : Use standard firefighting procedures and consider the hazards of other involved materials.

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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

For emergency responders :

6.2 Environmental precautions : Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning : Stop the flow of material, if this is without risk. Sweep or shovel up material and place in clearly labeled container for waste. Collect dust using a vacuum cleaner. Following product recovery, flush area with 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 : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities : Store locked up. Store in a cool, dry place out of direct sunlight.

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 :
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m ³	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Silica Sand (CAS 14808-60-7)	TWA	0.3 mg/m ³	Total dust.
		0.1 mg/m ³	Respirable.
		2.4 millions of Particle	Respirable

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Silica Sand (CAS 14808-60-7)	TWA	0.025 mg/m ³	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	

US NIOSH Pocket Guide to Chemical Hazards: Recommended exposure limit (REL)

Components	Type	Value	Form
Silica Sand (CAS 14808-60-7)	TWA	0.05 mg/m ³	Respirable dust.

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** : Wear safety glasses with side shields (or goggles).
- Skin protection**
- Hand protection** : Wear chemical-resistant, impervious gloves.
- 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. Contaminated work clothing should not be allowed out of the workplace.
- 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** : Granular
- Colour** : Coloured
- Odour** : Odourless
- Odour threshold** : Not available
- pH** : Not available
- Melting point/freezing point** : Not available
- Initial boiling point and boiling range** : Not available
- Flash point** : Not flammable or combustible
- Evaporation rate** : Not available
- Flammability (solid, gas)** : Not available

Upper/lower flammability or explosive limits	: Not available
Flammability limit - lower (%)	: Not available
Flammability limit - upper (%)	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: 2.65 g/cc
Solubility (ies)	: Insoluble
Partition coefficient (n-octanol/water)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Not available
Explosive properties	: The product is not self-igniting
Oxidizing properties	: Not available
Density	: Not available
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** : 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** : Contact with incompatible materials.
- 10.5. Incompatible materials** : Strong oxidizing agents.
- 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.
- Eye contact** : Causes serious eye irritation.

Ingestion : No data available
Symptoms : Coughing. Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.

11.1 Information on toxicological effects

Acute toxicity : May cause respiratory irritation.

Components	Species	Test Results
Sodium silicate (CAS 1344-09-8)		
Acute		
<i>Inhalation</i>		
LC 50	Rate	3.43 mg/l, 4 Hours
Oral		
LD 50	Rat	> 5000 mg/kg

Skin corrosion/irritation : Causes skin irritation.

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

Respiratory Sensitization : No data available.

Skin sensitization : Not a skin sensitizer.

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)

IARC Monographs. Overall Evaluation of Carcinogenicity

Silica Quartz (CAS 14808-60-7) 1 Carcinogenic to humans.
Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

NTP Report on Carcinogens

Silica Sand (CAS 14808-60-7) Known To Be Human Carcinogen.

Reproductive toxicity : This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity
- Single exposure** : Not classified.

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

Aspiration hazard : Due to the physical form of the product it is not an aspiration hazard.
Mixture versus substance : No data available.
Other Information : Prolonged or repeated exposure may cause lung injury, including silicosis.

SECTION 12: Ecological information

12.1 Toxicity : Not expected to be harmful to aquatic organisms..

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 not mobile in soil.

**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. 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

14.1. UN number

UN Number: ==

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

Rail/Road(RID/ADR): no dangerous good

ADR-Upper number: NA

Air (ICAO/IATA): no dangerous good

Sea (IMO/IMDG): no dangerous good

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

Marine pollutant: No

N.A.

14.6. Special precautions for user

N.A.

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

Other regulations : This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. This product does not meet the criteria for classification according to Regulation (EC) 1272/2008 (CLP Regulation) and Directive 1999/45/EC and their amendments respectively.

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: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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

H335 May cause respiratory irritation..
H315 Causes skin irritation.
H350-May cause cancer.

H373- May cause damage to organs (lung) through prolonged or repeated exposure

Training information

Follow training instructions when handling this material.

Disclaimer

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