



VICOSTONE
SINTERED

SAFETY

DATA SHEET





Vicostone's Safety Data Sheet provides detailed information on the physical, chemical and mechanical properties of the material, as well as precautions for safe handling, storage and use.

It includes data on resistance to chemical agents, behaviour under extreme conditions and recommendations for personal protection.



Identification of the product and company

Vicostone Sintered Surfaces compact slabs, E ≤ 0,5%.

Recommended uses: For installation as a worktop, paving, cladding, both indoors and outdoors.

Company name: VICOSTONE JOINT STOCK COMPANY

Website: www.vicostone.com

Email: info@vicostone.com

Identification of hazards

Product classification: The product is not classified as hazardous according to EU regulation 1272.

Hazards identification: The product is inert and in normal use does not pose any danger to health or the environment.

During the cutting and polishing process, dust containing suspended particles of silica (SiO₂) in respirable fraction may be released.

Composition

Substance	CAS	EINECS	CONCENTRATION
Crystalline silica	14808-60-7	238-878-4	10 – 15%

First aid

The material in its finished form does not require special preventive measures. During cutting, polishing, grinding or drilling operations, preventive measures should be taken against silica dust.

- Inhalation: move away from exposure and remove to fresh air. Seek medical advice if you feel unwell.
- Eye contact: flush with plenty of water for several minutes.
- Skin contact: Dust is not irritating to skin. Wash with soap and water.
- Ingestion: not applicable.

Fire-fighting measures

- Fire resistance: Category: A1 without reinforcing mesh; A2, s1-d0 with reinforcing mesh.
- Suitable extinguishing agents: Any agent suitable for the type of surrounding fire. Multi-purpose powder extinguishers are recommended.
- Specific hazards of the mixture: No fire hazard arising from the composition of the product. Non-combustible.
- Recommendations for fire-fighting personnel: In the event of a fire situation: depending on the extent of the fire, full protective clothing and self-contained breathing apparatus may be required.
- Have a minimum of emergency facilities or response elements (fire blankets, fire extinguishing, portable first aid kit...) in accordance with R.D.486/1997 and subsequent amendments.
- Personal protective equipment: Depending on the surrounding fire.

Measures in case of accidental spillage

- Personal precautions: Not applicable.
- Environmental precautions: No special measures required.
- Cleaning method: not applicable.

Handling and storage

Precautions for safe handling:

- The product requires special handling by means of suction cup systems and special precautions in manual handling.
- Anti-cutting gloves should be used to avoid accidental injuries due to part breakage, footwear and safety glasses due to particle projections during machining or cutting.
- Prevent possible overexertion during manual handling.
- Storage: no special storage measures are necessary except for protection against impacts that may cause breakage of the material. It is advisable to keep in its original packaging until use.

Exposure controls

Control parameters: due to the possibility of dust created in the cutting or polishing phase, it is recommended that these phases are carried out using wet methods.

The regulations concerning exposure values for crystalline silica are determined by R.D. 1154 / 2020.

Daily exposure limit values

Substance	N.CAS	VLE - ED
Crystalline silica	14808-60-7	238-878-4 (*)
Dust respirable fraction		3 mg/m3 (*)

(*) Limit values applied in Spain. Consult the regulated values in each country.

Exposure to dust created in machining processes (cutting or polishing) must be controlled and minimised. Exposure control must be carried out by means of collective and individual technical protection measures.

Minimise dust generation by using forced ventilation systems and water supply systems. Do not use compressed air and carry out constant air filtering.

Work clothing: Use of specific clothing for cutting and polishing tasks. Dirty work clothes should be removed and washed separately.

Separate places for work clothes and clothing should be provided.



- Respiratory protection: Wear respiratory protective devices against particles type P3 (EN 143).
- Eye protection: Use of protective goggles to protect against spray particles.
- Hand protection: Use of mechanical protection gloves to avoid accidental cuts due to broken parts.
- Safety footwear: Use of safety boots that minimise the risk of material falling on the feet.



Physical and chemical properties

Aspect	Solid
Smell	Odourless
Colour	According to commercial range
Ph	Not applicable
Density	2350 - 2410 kh/m³
Water solubility	Insoluble
Boiling point	Not applicable
Ignition point	Not applicable
Additional information	-

Stability and reactivity

Reactivity	Not applicable
Chemical stability	Stable
Dangerous reactions	Not known
Conditions to avoid	Dust formation during machining
Incompatible materials	Avoid contact with strong acids for long periods of time.
Hazardous decomposition products	Not known

Toxicological Information

Dust generated in machining, cutting and polishing processes contains suspended particles of free silica. Prolonged exposure to respirable crystalline silica (SiO₂) can cause pulmonary fibrosis and silicosis. Symptoms are manifested by an appreciable loss of lung capacity.



Ecological Information

The product does not present any ecotoxicity and does not remove materials that may present a hazard to the environment.

Disposal considerations

Taking as a reference the regulations in force: European Directive 91/156/CEE, Law 10/98 on waste, Royal Decree 1481 on waste disposal.

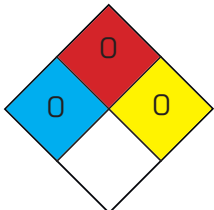
Transport information

The waste generated by the Vicostonematerial can be disposed of through an authorised waste manager. It is recommended that cardboard, paper and wood packaging be disposed of through recycling processes by authorised waste management companies.

Land transport	Not restricted
Maritime transport	Not restricted
Transporte aéreo	Not restricted

Regulatory information

This Material Safety Data Sheet (MSDS), has been drawn up in accordance with the guidelines of the CLP Regulation EC 1272.



RISK -HEALTH = 0

FLAMMABILITY = 0

REACTIVITY = 0

The product must not be used for purposes other than those specified by the manufacturer.

This Vicostone Safety Data Sheet is essential to ensure a safe working environment and to comply with current regulations.



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