

OBSIDIANA
COMPAC
MATERIAL
SAFETY DATA
SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION	COMPAC OBSIDIANA
Identified uses	Agglomerated Stone designed for indoor use. Specially intended for kitchen worktops, bathroom countertops, floors and stairs, wall coverings, furniture, sinks, shower trays and other similar uses
Non-permitted uses	Do not mechanically process the material using a dry method, avoid producing dust.
Manufacturer information	Silicalia Portugal SA EN Vale do feto 2205-304 Pego-Abrantes-Potugal Tel: +351 241 830 020 info@compac.es // www.compac.es
Safety data sheet provider (if different from manufacturer)	Marmol Compac SAU Travessera de Albaida nº 1 46727 Real de Gandia (Valencia) Spain Silicalia SL Travessera de Albaida nº 1 46727 Real de Gandia (Valencia) Spain
Phone number in case of emergency	Spain : +34 91 562 0420

2. HAZARD IDENTIFICATION

No hazards associated with finished Obsidiana products from Compac in CLP (EC) standard No. 1272/2008. Nevertheless, during work on and installation of this material the following information must be taken into account. Please read carefully. Dust generated during manufacturing contains crystalline silica SiO₂ which may be inhaled. Large scale inhalation of this portion of mineral dust and crystalline silica can cause serious illnesses including pneumoconiosis, silicosis, lung cancer, chronic obstructive pulmonary disease and kidney disease.

2.1. SUBSTANCE OR MIXTURE CLASSIFICATION

Total crystalline silica content (SiO₂) of product is between 0% and 7%.

Regulation (EC) n° 1272/2008 (CLP) GHS ver.7

STOT RE 1	Specific target organ toxicity-repeated exposure. Category 1.
H372	Causes Damage to organs (lungs) through prolonged or repeated exposure (inhalation)
H350i	May cause cancer by inhalation
STOT SE 3	Specific target organ toxicity -single exposure. Category 3.
H335	May cause respiratory irritation

2.2. LABEL INFORMATION

Regulation (EC) n° 1272/2008 (CLP) GHS ver.7

HAZARD STATEMENTS:



H372: Causes damage to organs through prolonged or repeated exposure (inhalation).

H350i: May cause cancer by inhalation

H335: May cause respiratory irritation

PREVENTION STATEMENTS:



P201: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood

P260: Do not breathe dust generated in cutting, milling and polishing processes.

P264: Wash hands and face thoroughly after handling.

P270: Do not eat, drink or smoke when handling this material.

3. COMPOSITION/COMPONENT INFORMATION

3.1. SUBSTANCE: NOT APPLICABLE

3.2. MIXTURE:

General description of components of the mixture: This material is composed of inorganic fillers (85-95%), including but not limited to feldspar, glass and others, polyester resin (5-15%) and pigments and additives (<5%).

Indicator	Name	Concentration	Classification-Regulation (EC) N° 1272/2008
CAS N°: 14808-60-7 EC N° 238-878-4	Crystalline Silica (SiO ₂) Quartz	Between 0% and 7%	STOT RE1, H372 STOT SE 3, H335 Carc. 1A, H350i

Mixture components subject to occupational exposure limits (sec. 8)

For more information about hazards check section 16.

4. FIRST-AID MEASURES

Finished material requires no special first-aid measures. During manufacturing/handling process, the following apply:

Contact with eyes: Keep eyes open and rinse cautiously with water.

Contact with skin: Wash with soap and water.

Inhalation: Take affected worker to well-ventilated place. Additional forced ventilation may be required if adverse reaction is observed. Ventilate work area thoroughly. Seek medical attention if worker feels unwell.

5. FIRE EXTINGUISHING METHODS

Fire resistance	Category: A2fls1
Suitable fire-extinguishing methods:	Any extinguishing agent is suitable. Multi-purpose dry-powder fire extinguishers are recommended
Personal Protection Equipment:	Depending on the fire zone.

6. ACCIDENTAL SPILL MEASURES

This material offers no spill hazards.

7. HANDLING AND STORAGE

Manual handling.

Users are responsible for performing an evaluation of risks in accordance with local Worker Safety Laws.

The following precautions are recommended:

- Use safe handling systems (cranes, hoists, slings, clamping devices, etc.) that are approved and certified. Slings must be protected against breakage as this material is sharper than natural stone and
- Use the following Personal protection equipment. Wear helmet, safety footwear, protective goggles and gloves when handling and storing COMPAC OBSIDIANA material.

Environmental protection precautions.

Water cooled equipment is recommended to prevent dust generation.

Storage..

No specific conditions are given for safe storage, except that storage should be in a closed and covered space.
Avoid strong impacts that might break the material

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 OCCUPATIONAL EXPOSURE LIMITS

Users are responsible for performing an evaluation of the risk of exposure to dust in accordance with local Worker Safety Laws.

Respirable dust fracción in European Union:

Country/Authority	Inert dust (mg/m3)	Quartz (q) (mg/m3)	Cristobalite (q) (mg/m3)
Germany	6	0,15	0,15
Belgium	3	0,1	0,05
Bulgaria / III	4	0,07	0,07
Cyprus / IV	/	10 k/Q	/
Czech Republic / V		0,1	0,1
Denmark / VI	5	0,1	0,05
Estonia		0,1	0,05
Finland / VII		0,2	0,1
France / VIII		5 o 25 k/Q	
France / IX	5	0,1	0,05
Germany / X	3	/	/
Greece / XI	5	0,1	0,05
Hungary		0,15	0,1
Ireland / XII	4	0,05	0,05
Italy / XIII	3	0,025	0,025
Lithuania / XIV	10	0,1	0,05
Luxembourg / XV	6	0,15	0,15
Malta / XVI	/	/	/
Netherlands / XVII	5	0,075	0,075
Norway / XVIII	5	0,1	0,05
Poland		0,3	0,3
Portugal / XIX	5	0,025	0,025
Romania/XX	10	0,1	0,05
Slovakia		0,1	0,1
Slovenia		0,15	0,15
Spain / XXI	3	0,1	0,05
Sweden / XXII	5	0,1	
Switzerland / XXIII	6	0,15	0,15
United Kingdom/ XXIV	4	0,1	0,1

Source: IMA-Europe. Date: May 2010, updated version available at <http://www.ima-europe.eu/otherPublications.html/>
Missing Information from Latvia

Respirable dust in the United States

Substance	Quartz (respirable) (mg/m3)	Cuarzo (q) (mg/m3)
CAS N°	14808-60-7	-
OSHA PEL (8 hour TWA)	0,05	-
NIOSH - REL (10 hour TWA)	0,05	5
ACGIH - TLV (8 hour TWA)	0,025	-
Adopted by /law name	See Section 16	-
OEL name (if specific)	Permissible exposure limit (PEL)/Recommended exposure limit (REL)/Threshold Limit Value (TLV)	

Source: Ohsha's Permissible exposure limits

Respirable dust in Australia and New Zealand

Substance	Quartz (respirable) (mg/m3)
CAS N°	14808-60-7
Australia OEL	Respirable dust 0,1 mg/m3 (8 horas TWA)
New Zealand (Workplace exposure standards)	Respirable dust 0,1 mg/m3 (8 horas TWA)

Source: Safe work Australia/New Zealand Workplace exposure standards and biological exposure index

Dust exposure controls during manufacturing and Installation.

The manufacturer recommends methods involving the use of water in processing and machining this material. Dust generated during manufacturing may contain crystalline silica which may be inhaled. Long-term exposure to dust from cutting and processing without the use of suitable protection may cause serious respiratory diseases including pneumoconiosis such as silicosis, as well as the deterioration of pulmonary capacity and bronchitis, emphysema, etc.

Exposure to dust can be monitored and controlled using suitable control methods such as:

- Machinery and tools using wet processes.
- Natural and/or mechanical ventilation systems that guarantee suitable air renewal levels in the workplace.
- Cleaning and maintenance. Use aspiration and cleaning systems that use water. Avoid the use of compressed air, which sets dust in motion. Implement preventive maintenance programmes to guarantee suitable operating and cleaning conditions for work equipment.

Personal protective equipment.

- Respiratory protection is for type P3 particulates according to EN 143:2001 and its reviews 143/AC EN 2002 and EN 2005 2005143/AC, including wet processes in order to reduce dust during preparation of COMPAC OBSIDIANA products.
- Hand protection. The use of gloves is recommended to avoid cutting hazards during handling.
- Eye protection. The use of eye protectors or goggles is recommended pursuant to standard EN166:2001.
- Skin protection. Skin protection is not necessary, but the use of suitable clothing to prevent contact with skin is recommended. Wash hands and face with soap and water to eliminate dust before breaks and at the end of shifts.
- Work clothing: do not clean using compressed air. Use vacuum cleaning methods. In accordance with relevant laws and regulations, any materials failing to comply with quality specifications or reject material must be disposed of in inert waste landfills.

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect	Solid, depending on depending on catalogue
Colour	Depending on depending on catalogue
Odour	Odourless
pH:	N/A
Density (EN 14617-1):	2250-2350 g/cm3
Absorption (EN 14617-1):	0,04 - 0,06 %

Solubility in water:	N/A
Decomposition temperature	N/A
Melting/freezing point	N/A
Explosive properties	Not explosive
Flash point	Not flammable
Inflammability	N/A

10. STABILITY AND REACTIVITY

Reactivity: Not reactive

Chemical stability: Stable

Potential for dangerous reactions: None known

Conditions to be avoided: Avoid contact with surfaces above temperatures of 80° C. Avoid heavy impacts that may cause breakage of material. Avoid use out-of-doors.

Incompatible materials: No information available

Hazardous decomposition products: None known.

11. TOXICOLOGICAL INFORMATION

Information on toxic effects

Acute toxicity: Not classified

Crystalline Silica (SiO₂): Quartz LD50 Oral >2000 mg/kg weight (rat)

Dermal corrosion or irritation: according to the current information, the classification criteria are not met.

Serious eye injury or eye irritation: according to the current information, the classification criteria are not met.

Respiratory or dermal sensitivity: according to the current information, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)-repeated exposure: The prolonged and/or large scale inhalation of the respirable fraction of mineral dust and crystalline silica (< 10 µm) can cause pneumonocosis and pulmonary fibrosis such as silicosis. Prolonged or large scale exposure to dust containing crystalline silica may increase the risk of other illnesses such as chronic obstructive pulmonary disease (COPD) and kidney disease.

Carcinogenicity: Prolonged or large scale exposure to dust containing crystalline silica may cause lung cancer.

Mutagenicity in germ cells: according to the current information, the classification criteria are not met.

Reproductive toxicity: according to the current information, the classification criteria are not met.

Danger if inhaled: according to the current information, the classification criteria are not met.

12. ENVIRONMENTAL INFORMATION

OBSIDIANA COMPAC contains no agents or substances considered toxic for the environment.

13. CONSIDERATIONS ON WASTE PRODUCTS

In accordance with European Directives 91/156/EEC and 199/31/CEE and Act 10/98 of 21 April and Royal Decree 1481/2001 of 27 December, any materials failing to comply with quality specifications or reject material must be disposed of in inert waste landfills.

The packaging material used for OBSIDIANA COMPAC must be disposed of pursuant to the regulations of each country. In general, they should be deposited in plastic and/or paper collection bins for subsequent recycling.

14. TRANSPORT INFORMATION

This material is not classified as dangerous according to air, sea and land transport regulations.

UN number	not assigned	Sea transport	
Groupage	none	IMDG/IMO	not restricted
		Air transport	
ADR/RID		ICAO/ATA	not restricted

United States		
ADR/RID/IMO/ICAO/UD DOT	Name of freight type	Not regulated
	Type of hazard	Not regulated
	Id number	Not regulated
	Groupage	Not regulated

15. REGULATORY INFORMATION

This OBSIDIANA Safety Data Sheet has been drawn up in accordance with (EC) CLP Regulation No. 1272/2008.

Labelled according to EEC European Directives.

16. OTHER INFORMATION

Consult Silicalia Portugal, S.A. before using or supplying this material for uses other than those indicated above.

The information contained in this document is the result of current knowledge up to its review date by Silicalia Portugal, S.A. Nevertheless, we cannot guarantee these recommendations or suggestions when specific conditions of use are outside of our control. In addition, the contents of this Safety Data Sheet should not be construed in any way as a recommendation for use of any product in violation of national laws, safety practices or patents.

It is the responsibility of the user of our materials to ensure that this material complies with any specific local laws or regulations. In no case does the information contained in this Safety Data Sheet constitute a guarantee of specific properties or the establishment of a relation of a contractual nature.

This OBSIDIANA Safety Data Sheet has been drawn up in accordance with (EC) CLP Regulation No. 1272/2008. For further information, follow the instructions of the Good Practices Guide for manufacturing published by the manufacturer, Compac, and available at www.compac.es.

For further information, see <http://www.nepsi.eu/> and the Guide to Good Practice for the Agreement on Workers' Health Protection Through the Good Handling and Use of Crystalline Silica and Products Containing it, published by NEPSI.