This document is compliant with the Italian Legislative Decree no. 65 from 15th March 2003

COSMOLITE® is an agglomerate of **low-silica minerals** produced by Stone Italiana Spa.
Thanks to its properties, it's classified as an inert material, therefore it causes no risks for the health of people and the environment when used appropriately.
People operating in this sector must protect their health by using all personal protective equipment (PPE) during wet or dry manufacturing process.

1. Product Identification

1.1	Product	Agglomerate of low-silica minerals	REACH Registration No: exempt under Article 3, paragraph 3 of REACH Regulation
1.2	Use	Floorings – Wall claddings – Benchtops – Custom-made materials – cut-to-size items – furnishing accessories	
1.3	Manufacturer	**Stone Italiana S.p.A.**	*Registered Office* Via Lavagno, 213 37040 Zimella - VR *Production sites:* Via Lavagno, 213 37040 Zimella - VR Tel. +39 0442 715 715 Fax +39 0442 715 000
1.4	Emergency numbers		+39 0442 715 715 +39 0442 715 000

2. Hazards Identification



Stone Italiana slabs do not carry any risks associated with CE Regulation no. 1272/2008, therefore they are not identified as dangerous product.
However during the manufacturing process these can generate dust containing respirable crystalline silica. This element, in case of prolonged exposure, causes irreversible damage to the lungs, such as silicosis. During cutting, honing and polishing phases, all operators must take adequate safety measures.

2.1.	In case of dust diffusion during dry or wet manufacturing process	Dangerous when inhaled		H335 May irritate the respiratory tract. H350i May cause cancer by inhalation. H372 Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).
2.2.	Dangerous in case of contact with eyes	Crystalline silica can cause corneal abrasion		P262 – Avoid contact with eyes, skin or clothes. P280 – Wear gloves/protective clothing. Protect eyes/face.

3. Composition / Information on Ingredients

The finished material is a solid, compact agglomerated stone.

	Substance	Component	CAS No.	%	Hazards identification
3.1.	Low-silica minerals	Crystalline silica	14808-60-7	24-34%	H335 H350i H372
3.2.	Colouring Pigments	Inserted in the slab			
3.3.	Polyester Resins	Inserted in the slab			
3.4.	Catalysts	Inserted in the slab			
3.5.	Accelerator	Inserted in the slab			
3.6.	Special inserts: - Glass - Mirror - Glitter - Mother of pearl - Gems - Silicon metal - Various Stone Grits - Marble				

4. First Aid Measures



4.1.	After inhaling:	If a large amount of dust has been inhaled, take the person to fresh air. Consult a doctor if the irritation persists.
4.2.	After contact with eyes	If this is caused by dust originating from the cutting or honing process, open your eyes and rinse accurately with water or an appropriate product. Remove contact lenses, if you are wearing them. Consult a doctor if the irritation persists.
4.3.	Contact with skin	Prolonged contact can cause skin dryness. Rinse accurately with soap and water.
4.4.	After ingestion	In case of dust ingestion, rinse the oral cavity and consult a doctor.
4.5.	Actions to be avoided	None
4.6.	Protection for first-aiders	None
4.7.	Instructions for doctor	None in particular

5. Fire Safety Measures



The material is not flammable (A2fl –s1) EN 13501-1

5.1.	Adequate fire equipment	All fire equipment
5.2.	Non adequate fire equipment	None
5.3.	Possible hazards due to combustion	It can produce fumes or other dangerous elements due to combustion (mainly carbon monoxide, carbon dioxide).

6. Accidental Release Measures

6.1.	The finished material is a solid compact agglomerated stone.	
6.2.	The product cannot cause emissions	The material is certified Greenguard and Grenguard Gold therefore it is compliant to the regulations for quality of indoor air as for VOC (Volatile Organic Compounds). **CERT. N. 260593-420** **CERT. N. 260593-410** The material does not allow the migration of harmful substances from slab surface to food **CERT. N. C0041678-01** See official listing

7. Handling & Storage

7.1.	Handling precautions	The fabricator is responsible for evaluating risks to allow for an appropriate manual or mechanical handling of the product. For manual handling the use of the following PPE is necessary:  For mechanical handling the use of the following PPE is necessary:  Check ropes, slings and chains used for lifting  
7.2.	Storage	Slabs must be stored based on the following arrangement: - Polished slab against polished slab - Raw slab against raw slab The polished top can be damaged if not packaged or if wrongly handled or transported. Slabs must be stored in a protected environment and not exposed to sun rays.

8. Exposure Control/Personal Protection

8.1.	During wet and dry cutting phases:		Apply all measures to contain dust diffusion.
8.2.	Collective Protection Measures		The fabricator is responsible for evaluating risks associated with staff's exposure to dusts. Local dust collector system for dust originating from cutting and finishing processes.
8.3.	Personal Protection Measures:		
	8.3.1.	Respiratory Protection	 Filtering facepiece (UNI EN 149) FFP3 Anti dust filter face piece: Filtering dust mask/half mask or full face mask (UNI EN 143) P3 class
	8.3.2.	Eye Protection	 Glasses
	8.3.3.	Leg Protection	 Steel-toe boots "minimum" protection S1
	8.3.4.	Hands Protection	 Gloves that enable material processing avoiding crushes, cuts and abrasions
	8.3.5.	Body Protection	 Protective suit for inert dust
	8.3.6.	Technical Measures	Local dust collector system

9. 1 cm thickness – chemical and physical features

		Regulation	Unit of measure	Declared values
9.1.	Water absorption	EN 14617-1	%	W4 class
9.2.	Calculation of bending	EN 14617-2	MPa	F4 class
9.3.	Calculation of abrasion resistance	EN 14617-4	mm	A4 class
9.4.	Calculation of chemical resistance	EN 14617-10	min C1 max C4	C4
9.5.	Impact resistance	EN 14617-9	Joule	3
9.6.	Dry heat resistance	EN 12722	C°	180 C°
9.7.	Contact with foodstuffs. Overall migration.	UNI EN 1186	mg/dm^2	Distilled water 0,2 Acetic acid solution at 3% 0,3 Ethanol solution at 10% 0,5 Isooctane 0,9 Ethanol at 95% 1,3

10. Stability & Reactivity

10.1	Hazardous Decomposition Products	The product stays chemically stable under standard storage and temperature conditions. Decomposition products are not known. The material does not develop exothermic reactions.
10.2	Chemical stability	
10.3	Incompatibility with other materials	

11. Toxicological Information

11.1.	Acute toxicity and local effects:	Airways irritation
11.2.	Chronic toxicity (silicosis):	 Prolonged exposure to dry low-silica minerals dust can cause irreversible damage (silicosis). Exposure to respirable crystalline silica dust generated by a work process has been added to the list of carcinogenic agents. The occupational exposure limit for respirable crystalline silica dust has been set at 0.1mg/m³ (DIRECTIVE EU 2017/2398 implemented in Italy through Legislative Act no. 44 of 01/06/2020). No limit values have been set for the population at large, therefore any workers exposed to “jobs involving exposure to respirable crystalline silica dust generated by a work process”, independently of the concentration of said agent in the air, are considered as being exposed through their occupation. This means they will be monitored by the health authorities and they will be inserted on a register of people exposed to carcinogens and mutagens.

12. Ecological Information



12.1	Use according to good working practices, avoiding to disproportionately disperse the product in the environment. The product is very durable and practically non-degradable in nature.

13. Comments on Disposal



13.1	PRODUCT EUROPEAN WASTE CODE:	R 01 04 13 Waste originated from stone processing, different from the one under item 01 04 07 (Verify regulations, local legislation on waste management). An annual waste characterization analysis must be carried out.
13.2	PACKAGING EUROPEAN WASTE CODE:	COSMOLITE® material packaging will have to be disposed of in accordance with local and national regulations: - paper and cardboard packaging; - plastic packaging; - wood packaging; - unsorted packaging.

14. Transport Information

14.1	ADR/RID	Product not classified as dangerous goods
14.2	IMDG/IMO	Product not classified as dangerous goods
14.3	ICAO/IATA	Product not classified as dangerous goods

15. Regulation Information

15.1	CLP Regulation (EC) n° 1272/2008

16. Other information

16.1		 The above information, which is based on the present level of our knowledge and experience, describes our product in view of possible H&S requirements.
16.2		 Fabricators are responsible for taking all the necessary actions in order to follow regulations regarding H&S and environment protection. Fabricators are always responsible for respecting the terms of regulations.
16.3		The instructions given refer to the product used for its ordinary duty as described in point 1.
16.4		The information included in this Safety Data Sheet is just a description on how to safely use the product and do not represent any guarantee on the features of the product.
16.5		We recommend using wet processing systems and/or dust control systems (aspirators).  In case of wet and dry processing, we remind you that respirable dust can harm your health.  H335 May irritate the respiratory tract. H350i May cause cancer by inhalation. H372 Causes lung damage through prolonged or repeated inhalation.  P262 – Avoid contact with eyes, skin or clothes. P280 – Wear gloves/protective clothing. Protect eyes/face.