

# SAFETY DATA SHEET

## 1. Product Identification

1.1. Product	Engineered quartz stone	
1.2. Use	Floorings– Wall claddings – Cut-to-size items	
1.3. Manufacturer	<b>Stone Italiana S.p.a.</b>	Via Lavagno, 213 37040 Zimella (Verona) Tel. +39 0442 715 715 Fax +39 0442 715 000

## 2. Composition / Information on Ingredients

**The finished material is a solid, compact agglomerated stone.**

Substance	Component	CAS No.	%	
2.1. Silica Sands - Quartzes*	Free Crystalline Silica SiO <sub>2</sub>	14808-60-7	90-93	X <sub>n</sub> R48 - X <sub>n</sub> R20
2.2. Colouring Pigments				
2.3. Polyester Resins				
2.4. Catalysts				
2.5. Accelerator				
2.6. Special inserts:				

2.6.1.	Glass				
2.6.2.	Mirror				
2.6.3.	Metallic silica				
2.6.4.	Mother of Pearl				
2.6.5.	Gems				
2.6.6.	Glitter				
2.6.7.	Various Stone Grits				

\*The complete text of – R – phrases is specified in section 16

### 3. Hazards Identification

3.1. In case of airborne dust caused by dry cutting operations	Hazardous when inhaled
	Crystalline silica may cause abrasions of the cornea

### 4. First Aid Measures

4.1.	During processing:	
4.2.	Inhalation:	Remove to fresh air
4.3.	Eye contact	Flush thoroughly with water
4.4.	Actions to be avoided	None
4.5.	Protection of rescuers	None
4.6.	Instructions for physicians	None in particular

**5. Fire Fighting Measures**

5.1.	Suitable extinguishing media	All fire extinguishing media
5.2.	Unsuitable extinguishing media	None
5.3.	Specific fire hazards	May produce fumes or other hazardous combustion by-products

**6. Accidental Release Measures**

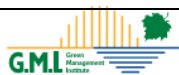
6.1.	None	
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**7. Handling and Storage**

7.1.	Handling precautions	None required
7.2.	Storage	Store in a covered area

**8. Exposure Control/Personal Protection**

8.1.	When dry cutting:	Use all dust control systems
8.2.	Personal Protection Equipment:	
	8.2.1. Respiratory Protection	Dust filters Dust filtering facepieces (UNI EN 149) Dust filters of rubber masks (UNI EN 143) Class P2 Filtering respirator /half mask Full-Face)



	
8.2.2. Eye Protection	Glasses 
8.2.3. Engineering Measures	Local dust exhaust system

9. Physical & Chemical Properties

	For 1cm thickness	Standard	Unit	Quartz Composite	
9.1.	Appearance			Solid Body	
9.2.	Odour			Odourless	
9.3.	Water absorption	EN 14617-1:2005	%	W4 class	
9.4.	Apparent density	EN 14617-1:2005	Kg/m <sup>3</sup>	M <sub>v</sub> = 2421	
9.5.	Flexural strength without inlays	EN 14617-2 :2008	MPa	F>40 (Class F <sub>4</sub> )	
	Flexural strength with inlays			25 ≤ F < 40 (Class F <sub>3</sub> )	
9.6	Slip resistance	EN 14231:2005	SRV	Dry	Wet
	Polished			43-47	3-5
	Matt			38	7
	Grain,jaipur,lunare			46-56	8-12
	Rocface			77-80	23-35

9.7.	Abrasion resistance whit the exception of groups 7-8 light-doha	EN 14617-4:2005	Mm	A4 class
	Abrasion resistance of groups 7-8 light-doh			A3 class
9.8.	Impact resistance	EN 14617-9:2005	Joule	2
9.9	Chemical resistance	EN 14617-10:2005	Min C1 – Max C4	C4
	Chemical resistance with mother of pearl and marble inserts		Min C1 – Max C4	C1
9.10.	Compressive strength	EN 14617-15 :2005	MPa	Rm = 253
9.11.	Linear thermal expansion coefficient	EN 14617-11:2005	°C <sup>-1</sup>	$\alpha_i = 19-26 \times 10^{-6}$
9.12	Fire resistance (LAPI s.p.a N°0987)	EN 13501:2009		A2 fl-s1 (floors) A2-s1, d0 (walls)
9.13	Shock resistance	EN 14617-6:2005	$\Delta m \%$	$\Delta m = -0,08\%$

## 10. Stability & Reactivity

10.1. Hazardous Decomposition Products	None
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## 11. Toxicological Information

11.1. Acute toxicity and local effects:	None
11.2. Chronic toxicity (silicosis):	Prolonged exposure to dry quartz dust may cause irreversible damage

## 12. Ecological Information



12.1. Use in accordance with good working practices and avoid disposing of this product in the environment

13. Disposal Considerations

13.1. 01 04 13 Wastes from stone cutting and sawing, other than those mentioned in 01 04 07 (Consult all applicable local and regional waste management regulations and decrees)

14. Transport Information

14.1. ADR/RID	Not Applicable
14.2. IMDG	14.3. Not Applicable

15. Regulatory Information

15.1. S PHRASES	15.2. None
15.3. R PHRASES	15.4. None

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 safety requirements.
16.2. Users have the responsibility to take all necessary measures to comply with all applicable laws and local regulations on safety and hygiene at work, as well as on environmental protection.
16.3. We recommend using wet processing systems and dust control systems.
16.4. In case of <u>dry processing</u> , we remind you that breathable dust can harm your health
16.4.1. R 20 Harmful by inhalation.
16.4.2. R48 Danger of serious damage to health by prolonged exposure by inhalation

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