

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	AQUASHIELD SILICA GLASS SURFACE PREPARATION
SUPPLIER	AQUASHIELD SRL
LOCATION	5, Gheorghe Doja street, 410163, Oradea, Romania
INFO CONTACT	0040 729 278 276
INFO CONTACT	orders@aquashield.eu
EMERGENCY CONTACT	0040 773 964 655

SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

Name	CAS	%	ACGIH TL	OSHA PEL
Amorphous and crystalline silica	7631-86-9	20 – 30 %	10 mg/cbm	10 mg /cbm
Citric Acid	5949-29-1	2- 4 %	N/A	N/A
Water		60 - 100 %	N/A	N/A

SECTION 3. HAZARD IDENTIFICATION

Eye Contact:	Irritating to the eye
Skin Contact:	No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness. Chemically sensitive individuals may experience mild irritation.
Ingestion:	May cause stomach or intestinal irritation if swallowed.
Inhalation:	Avoid the generation of dust

The product as delivered or used does not release airborne dusts, but sanding, cutting, grinding or polishing areas coated with the product may create dust which is classified as Hazardous.

SECTION 4. FIRST AID MEASURES

Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact	In case of contact, flush skin with plenty of water and soap
Inhalation	Remove to fresh air. Ventilate work area
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Give a copious amount of water to drink. If large quantities of this material are swallowed, call a physician immediately.

SECTION 5. FIRE FIGHTING MEASURES

Flammability of the product	Non Flammable
Auto ignition temperature	Not applicable
Flash points / Flammable limits	Not applicable
Products of combustion	Non
Unusual fire/explosion hazards	Not applicable
Firefighting media and Instructions	Use extinguishing media appropriate for surrounding fire. / Not applicable

SECTION 6. ACCIDENTAL RELEASE MEASURES

Large Spill and Leak	Small quantities can be mopped or wiped up with rags. For small spills add absorbent (soil may be used in the absence of other suitable materials).
Technical safety measures	Not applicable
Personal safety measures	Avoid contact with the eyes and skin. Wear suitable gloves. Protective goggles/face mask.
Environmental protection measures	Do not allow the substance to contaminate the soil, sewerage system or bodies of water.
Cleaning procedure	Soak up any liquid that escapes with absorbent material and dispose of according to the local regulations in sealed containers. Subsequently clean with suitable binding agents (for example sand (to contain the liquid) or a universal binder (for example Chemisorb)

SECTION 7. HANDLING AND STORAGE

Handling	Keep containers tightly sealed
Storage	Store in tightly sealed containers. Only store in original containers. Do not use containers made of metal (danger of corrosion).
Instructions concerning fire and explosion protection	Not applicable
Storage class (VCI)	12 (non-flammable liquid) EU

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls	If user operations generate dust, fume or mist, use ventilation to avoid exposure to airborne contaminants.
Personal Protection	Safety glasses. Gloves. Dust mask if dust is generated, and work place is not ventilated.

Personal protection in case of a large spill: Splash goggles. Dust respirator. Boots. Gloves

Respiratory Protection Not usually required when using wet product. If dust is generated from dried product, an approved particulate respirator conforming to Australian standards AS/NZS 1715 and 1716 should be worn, particularly if working in an area without good natural ventilation.

Skin Protection Wear rubber gloves

Eye protection Safety spectacles should be worn if a risk of eye contact exists.

Exposure Limits Calcium carbonate: TWA - 10 mg/m³ measured as inspirable dust. Total dust (of any type or particle size): TWA - 10 mg/m³.
Silica: TWA: 6 (mg/m³) [United Kingdom (UK)] Inhalation Total. TWA: 2.4 (mg/m³) [United Kingdom (UK)] Inhalation Respirable. TWA: 6 (mg/m³) from NIOSH [United States] [1997] Inhalation TWA: 2 (mg/m³) [Australia] Inhalation Respirable.
Consult local authorities for acceptable exposure limits.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Odor	Nearly odorless
flash point:	> 100 C , > 200 F Color blue
pH	~ 2.5
Odor Threshold	N/A
Boiling/Condensation	>98°C (208°F)
Evaporation Rate	N/A
Point Melting/Freezing	0°C (32°F) based on data for water
LogK	N/A
Point Specific Gravity	~1,2 g/cm ³ (Water = 1)
Dispersion Solubility	Soluble in water
Vapor Pressure and Density	Not available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	None known
Material to avoid	None known
Hazardous decomposition products	None known
Dangerous reactions	None known

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	No Information
LD/LC50	Oral LD50 - rat: >5000mg/kg



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Dermal LD50 - rabbit:	>5000mg/kg of harmful to aquatic organisms.
Skin	Causes moderate skin irritation. Dry skin
Eyes	Irritating
Sensitisation	The material is not sensitising

SECTION 12. ECOLOGICAL INFORMATION

Eco-toxicity	The physical and chemical nature of the product and toxicological data on ingredients indicate that this product is relatively low risk.
Additional information	The products is biodegradable
Aquatic toxicity	The product contains no toxic ingredients. Do not allow waste which is undiluted to enter groundwater, bodies of water, the sewerage system or to seep into soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities !
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SECTION 14. TRANSPORT INFORMATION

14.1 Road transport:	Land transport DOT (ADR/RID)	Not regulated
14.2 Sea transport:	Marine transport IMDG	Not regulated
14.3 Air transport:	IATA:	Not regulated

SECTION 15. REGULATORY INFORMATION

U.S. Regulations	US INVENTORY (TSCA): Listed on inventory.
Other Regulations	AUSTRALIAN INVENTORY (AICS): inventory. CANADA INVENTORY (DSL): Listed on inventory. CHINA INVENTORY (IECS): Listed on inventory. EC INVENTORY (EINECS/ELINCS): Listed on inventory. JAPAN INVENTORY (ENCS): Listed on inventory. KOREA INVENTORY (ECL): Listed on inventory. Australian Hazchem Code: No information found.

SECTION 16. OTHER INFORMATION

Label Requirements: R-phrases and S-phrases
R36: Eye irritation
S2: Keep out of the reach of children
S29: Do not empty into drains
S22: Do not breathe dust.
S36/37/38: Wear suitable protective clothing, gloves and eye protection.

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