

Safety

DATA SHEET

1. PRODUCT IDENTIFICATION

1.1 TRADE NAME (AS LABELED):	Quartz Resurfacing System Step 1 (QRS-001)
SYNONYMS:	Step One
CAS#:	Mixture
1.2 PRODUCT USE:	Stone Polish
1.3 MANUFACTURER'S NAME:	Alpha Professional Tools®
ADDRESS:	16 Park Dr Ste 9, Franklin, N 07416
BUSINESS PHONE:	800-648-7229
FAX NUMBER:	800-286-0114
1.4 EMERGENCY PHONE NUMBER	
EMERGENCY PHONE #:	1-201-337-3343
EMAIL:	info@alpha-tools.com
1.5 PREPARATION INFORMATION:	
DATE OF CURRENT REVISION:	February 25, 2026
DATE OF LAST REVISION:	May 10, 2024

2. HAZARD IDENTIFICATION

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information regulated by other agencies.

2.1 Hazard classification

Serious Eye Irritation — Category 2A

Specific Target Organ Toxicity (Single Exposure) — Category 3 (Respiratory irritation)

2.2 Label Elements

Signal Word: Warning!

Symbols:



Hazard Statements

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary Statements

General:

Keep out of reach of children

Prevention:

P261 Avoid breathing dust.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves and eye protection.

Response:

P304+P340 IF INHALED Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor if you feel unwell.

P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists Get medical advice or attention.

Storage:

N/A

Disposal:

P501 Dispose of contents and container in accordance with local, regional, and national regulations.

2.3 Hazards not otherwise classified

Ingredients:	WT%	CAS#
Water	60-80	7732-18-5
Silicon Dioxide (amorphous)	10-20	1317-95-9
Crystalline Silica (quartz)	5-10	14808-60-7
Triethanolamine	1-3	102-71-6
Acrylic Polymer	1-3	75760-37-1

Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

4. FIRST-AID MEASURES

4.1 Description of first aid measures

Inhalation:

If inhaled, remove person to fresh air and keep comfortable for breathing. If respiratory irritation, coughing, or discomfort persists, seek medical advice or attention.

Skin Contact:

Wash skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If skin irritation occurs, seek medical advice or attention.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice or attention.

If Swallowed:

Rinse mouth. Do not induce vomiting. If feeling unwell, seek medical advice or attention.

4.2 Most important symptoms and effects, both acute and delayed.

Eye irritation with redness, tearing, and discomfort.

Respiratory irritation if airborne dust is generated.

Prolonged or repeated skin contact may cause mild irritation or dryness.

4.3 Indication of any immediate medical attention and special treatment required.

Treat symptomatically.

No special treatment required.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water Spray	Yes
Foam	Yes
Halon	Yes
Carbon dioxide	Yes
Dry Chemical	Yes
Other	Any C Class

5.2 Unusual fire and explosion hazards

Explosion sensitivity to Mechanical Impact: No

Explosion Sensitivity to static discharge: No

Hazardous decomposition products: See Section 10

5.3 Special fire-fighting procedures:

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

See section 8.2 for Exposure Controls.

6.2 ENVIRONMENTAL PRECAUTIONS:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 SPILL AND LEAK RESPONSE:

Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations)

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

7.2 STORAGE AND HANDLING PRACTICES:

Keep in cool, dry, well-ventilated area in closed containers. Protect containers from physical damage

Incompatible products: none known

8. EXPOSURE CONTROLS – PERSONAL PROTECTION

8.1 Control Parameter:

Occupational exposure limits

Ingredient	CAS No	Agency	Limit Type	Additional Comments
Crystalline Silica (quartz)	14808-60-7	OSHA	PEL	50 µg/m ³ (respirable fraction, TWA)
Crystalline Silica (quartz)	14808-60-7	ACGIH	TLV	0.025 mg/m ³ (respirable fraction, TWA)
Triethanolamine	102-71-6	ACGIH	TLV	5 mg/m ³ (TWA, inhalable aerosol)

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CMRG: Chemical Manufacturer's Recommended Guidelines

OSHA: United States Department of Labor – Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

8.2 Appropriate Engineering Controls:

Engineering Measure: Use only with adequate ventilation. When product is used with mechanical equipment capable of generating dust or aerosolized particles, local exhaust ventilation or dust collection systems are recommended to maintain airborne concentrations below applicable exposure limits.

Eye/Face Protection: Safety glasses with side shields or chemical splash goggles are recommended, especially during mechanical use or where splashing may occur.

Skin and Body Protection: Wear protective gloves to prevent prolonged or repeated skin contact. Wear appropriate protective clothing to minimize skin exposure during extended use.

Respiratory Protection: Respiratory protection is **not required under normal wet-use conditions**.

If dust is generated during mechanical processing or polishing, use a NIOSH-approved particulate respirator (N95 or higher) in accordance with OSHA respiratory protection standards.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Do not eat, drink, or smoke while using this product. Remove contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties



Physical State: Liquid
Color: Light Amber
Specific Physical Form: Paste
Odor: Characteristic
Odor threshold: N/A
pH: 8.5
Melting Point: N/A
Boiling Point: N/A
Flash Point: N/A
Evaporation Rate: N/A
Flammability (solid,gas) : N/A
Flammable Limits (LEL) : N/A
Flammable Limits (UEL) : N/A
Vapor Pressure: N/A
Vapor Density: N/A
Density: 1.05g/ml

Specific Gravity: 8.76 Lb/Gl
Solubility in Water: Partial
Solubility non water: Partial
Partition coefficient: n-octanol/water: N/A
Autoignition temperature: N/A
Decomposition temperature: N/A
Viscosity: 1250 cPs
Hazardous Air Pollutants: N/A
Molecular Weight: Mixture
Volatile Organic Compounds: None
% Volatile: N/A

10. STABILITY AND REACTIVITY

10.1 REACTIVITY:

This product is not reactive.

10.2 STABILITY:

Stable under conditions of normal storage and use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Will not occur

10.4 CONDITIONS TO AVOID:

None known

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:

Strong acids, strong oxidizing agents, and materials that react with alkaline substances.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

Under normal conditions of use, no hazardous decomposition products are expected.

Thermal decomposition may produce carbon oxides and silicon oxides.

11. TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects:

Based on test data and/or information on the components, this material may produce the following health effects

Product Information

Eye contact, skin contact, inhalation of dust generated during mechanical use, and ingestion.

Information on Toxicological Effects



Symptoms: No information available

Delayed and Immediate Effects as well as Chronic Effects from Short and Long Term Exposure

Carcinogenicity: Crystalline silica (quartz), present in this product, is classified by IARC as carcinogenic to humans (Group 1) when inhaled as respirable dust.

Exposure is dependent on dust generation during mechanical use. Normal handling of the wet product is not expected to result in significant airborne exposure.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification

Name	Route	Species	Value
N/A	N/A	N/A	N/A

ATE= acute toxicity estimate

Skin Corrosion/Irritation

Prolonged or repeated skin contact may cause mild skin irritation. The product is not expected to be corrosive to skin.

Serious Eye Damage/Irritation

Causes serious eye irritation.

Skin Sensitization

Based on available data, the mixture is not classified as a respiratory sensitizer.

Contains benzisothiazolinone, which may cause an allergic skin reaction in sensitized individuals.

Respiratory Sensitization

Reproductive Toxicity

Reproductive and /or Developmental Effects

Based on available data, the mixture is not classified.

Target Organs (s)

Specific Target Organ Toxicity – single exposure

May cause respiratory irritation if dust is generated during mechanical use.

Specific Target Organ Toxicity – repeated exposure

Repeated inhalation of respirable crystalline silica dust may cause delayed lung injury (silicosis). Exposure is dependent on the generation of airborne dust during use.

Aspiration Hazard

Based on available data, the mixture is not classified as an aspiration hazard.

Additional information

Symptoms of exposure may include eye irritation, coughing, and respiratory discomfort if dust is generated during mechanical use. Prolonged or repeated exposure to airborne crystalline silica dust may increase the risk of lung disease.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No Data Available

Persistence and degradability: No Data Available

Bioaccumulative potential: No Data Available

Mobility in soil: No Data Available

Results of PBT and vPvB assessment: No Data Available

Other adverse effects: No Data Available

13. DISPOSAL CONSIDERATIONS

13.1. Disposal methods Dispose of contents/ container in accordance with the local/regional/national/international regulations. Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

13.2 California waste code:134

14. TRANSPORTATION INFORMATION

US DOT/IMDG/IATA

UN Number	Proper Shipping Name	Hazard Class	Packing group	Environmental Hazards	Special Provisions
Not Regulated	Not Regulated	Not Regulated	N/A	Not classified as environmentally hazardous for transport	Avoid generating dust during handling and transport. Protect containers from physical damage. Follow standard safe handling practices.

15. REGULATORY INFORMATION

U.S. Federal Regulations

This product is a mixture and does not contain components subject to reporting under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA).

All components of this product are listed on or exempt from listing on the U.S. Toxic Substances Control Act (TSCA) Inventory.

This product is not regulated as a hazardous material under U.S. Department of Transportation (DOT) regulations.



U.S. State Regulations

California Proposition 65

This product contains crystalline silica (airborne particles of respirable size), which is known to the State of California to cause cancer. A Proposition 65 warning may be required for products sold or distributed in the State of California.

International Regulations

All components are listed on or are exempt from listing on applicable international chemical inventories, including the European Inventory of Existing Commercial Chemical Substances (EINECS/ELINCS), where applicable.

16. Other INFORMATION

NFPA: Health Hazard: 2 Flammability: 0 Instability: 0

HMIS: Health Hazard: 2 Flammability: 0 Physical Hazard: 0 PPE:B

DATE OF PRINTING: February 25, 2026

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Alpha Professional Tools® assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Alpha Professional Tools® assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

END OF SDS SHEET

