

Quartz Renew-Resin Polish

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name : Quartz Renew-Resin Polish

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Preparation of ceramic parts and coatings.

1.3. Details of the supplier of the safety data sheet

Surface Savers
18700 N 107th Ave, Suite 20
Sun City, AZ 85373

1.4. Emergency telephone number

Emergency number : 623-451-4569

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Aluminum oxide (Al ₂ O ₃)	(CAS No) 1344-28-1	>= 98.7	Not classified
Calcium oxide	(CAS No) 1305-78-8	< 0.3	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Iron oxide (Fe ₂ O ₃)	(CAS No) 1309-37-1	< 0.2	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Supply fresh air: consult doctor in case of complaints.
First-aid measures after skin contact : Brush off loose particles from skin. Immediately rinse with water. If skin irritation is experienced, consult a doctor.
First-aid measures after eye contact : Remove contact lenses if worn, if possible. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
First-aid measures after ingestion : Rinse out mouth and then drink plenty of water. Do NOT induce vomiting. Call for medical help immediately.

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

Symptoms/injuries after inhalation : Slight irritant effect on mucous membranes.
Symptoms/injuries after skin contact : Slight irritant effect on skin.
Symptoms/injuries after eye contact : Slight irritant effect on eyes.
Symptoms/injuries after ingestion : May be harmful if swallowed.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use suitable extinguishing media for surrounding fire.
Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.
Explosion hazard : None known.

5.3. Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Stop the flow of material, if this is without risk.
Methods for cleaning up : Ensure adequate ventilation. Avoid formation and breathing of dust. Use respiratory protection when cleaning large spills. Pick up mechanically. Place in an approved container and dispose in accordance with local, state and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only in well ventilated areas. Prevent dust formation. Any unavoidable deposit of dusts must be regularly removed.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool location and away from food stuffs, acids and alkalis (caustic solutions). Keep container tightly sealed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Aluminum oxide (Al ₂ O ₃) (1344-28-1)		
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Calcium oxide (1305-78-8)		
ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
IDLH	US IDLH (mg/m ³)	25 mg/m ³
NIOSH	NIOSH REL (TWA) (mg/m ³)	2 mg/m ³
Iron oxide (Fe ₂ O ₃) (1309-37-1)		
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (respirable particulate matter)
OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³ (fume) 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
IDLH	US IDLH (mg/m ³)	2500 mg/m ³ (dust and fume)

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Iron oxide (Fe2O3) (1309-37-1)

NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³ (dust and fume)
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8.2. Exposure controls

Appropriate engineering controls	: Local exhaust and general ventilation must be adequate to meet exposure standards.
Hand protection	: Wear impervious gloves to protect against mechanical hazards.
Eye protection	: Use safety glasses.
Skin and body protection	: Wear suitable working clothes.
Respiratory protection	: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: Whitish
Odor	: Odorless
Odor threshold	: No data available
pH	: 8 - 9.5 @ 20°C
Melting point	: > 2000 °C (>3632 °F)
Freezing point	: No data available
Boiling point	: > 2900 °C (>5252 °F)
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 3.9 g/cm ³ (32,546 lbs/gal)
Solubility	: Insoluble.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Oxidizers, strong bases, strong acids.

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10.6. Hazardous decomposition products

Toxic metal compounds.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Aluminum oxide (Al ₂ O ₃) (1344-28-1)	
LD50 oral rat	> 5000 mg/kg

Calcium oxide (1305-78-8)	
LD50 oral rat	500 mg/kg
ATE US (oral)	500 mg/kg

Iron oxide (Fe ₂ O ₃) (1309-37-1)	
LD50 oral rat	> 10000 mg/kg

Skin corrosion/irritation : Not classified
pH: 8 - 9.5 @ 20°C

Serious eye damage/irritation : Not classified
pH: 8 - 9.5 @ 20°C

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Iron oxide (Fe ₂ O ₃) (1309-37-1)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Calcium oxide (1305-78-8)	
LC50 fish 1	1070 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Calcium oxide (1305-78-8)	
BCF fish 1	(no bioaccumulation)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Aluminum oxide (Al₂O₃) (1344-28-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

SARA Section 313 - Emission Reporting	1 % (fibrous forms)
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Calcium oxide (1305-78-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Iron oxide (Fe₂O₃) (1309-37-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations

Aluminum oxide (Al₂O₃) (1344-28-1)

U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Calcium oxide (1305-78-8)

U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Iron oxide (Fe₂O₃) (1309-37-1)

U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases:

Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product