

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : CSP Oxidation Remover

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

Use of the substance/mixture : Removing oxidation and stains from masonry.

1.3. Details of the supplier of the safety data sheet

Cathedral Stone Products
7266 Park Circle Drive
Hanover, MD 21076
T 410-782-9150

1.4. Emergency telephone number

Emergency number : 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Dermal) H312
Serious eye damage 1. H318

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Hazard statements (GHS-US) :

Precautionary statements (GHS-US) :

: Danger
 : H301 - Toxic if swallowed.
 H302 + H312 - Harmful if swallowed or in contact with skin.
 H314 - Causes severe skin burns and eye damage.
 H318 - Causes serious eye damage.
 : P260 - Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 P264 - Wash thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P301 + P330 + P331 + P310 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 Immediately call a POISON CENTER/doctor.
 P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell
 P302 + P352 - IF ON SKIN: Wash with plenty of water
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
 Rinse skin with water/shower.
 P304 + P340 + P310 - IF INHALED: Remove person to fresh air and keep comfortable for
 breathing. Immediately call a POISON CENTER/doctor.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
 contact lenses, if present and easy to do. Continue rinsing
 P310 Immediately call a POISON CENTER/doctor.
 P322 Specific measures (see supplemental first aid instructions on this label).
 P330 - Rinse mouth
 P363 Wash contaminated clothing before reuse.
 P501 - Dispose of contents/container in accordance with local/regional/national/international
 regulations.

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

2.4. Unknown acute toxicity (GHS-US)

Not applicable

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Non-Hazardous Components	Propriety	80-90	
Oxalic Acid	(CAS No) 6153-56-6	7-10	Acute Tox. (Cat. 4) (Oral), H302 Acute Tox. (Cat. 4) (Dermal), H312 Serious eye damage/eye irritation (Cat. 1), H318
Ammonium Bifluoride	(CAS No) 1341-49-7	3 - 5	Acute Tox. 1B (Cat. 3) (Skin Cor), H301, H314

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.
- First-aid measures after skin contact : Take off contaminated clothing and shoes immediately. Rinse with plenty of water. Get medical attention for burns.
- First-aid measures after eye contact : Remove contact lenses immediately. Flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
- First-aid measures after ingestion : Do not induce vomiting. Give water to victim to drink. Seek medical attention. Never give anything by mouth to an unconscious person. Consult a physician.

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

- Symptoms/injuries after inhalation : Harmful if inhaled. May cause respiratory irritation.
- Symptoms/injuries after skin contact : Causes skin irritation. Skin contact produces stinging and a white wound that clears in a short period of time. Prolonged contact may cause more serious burns.
- Symptoms/injuries after eye contact : Causes eye irritation. Eye contact produces stinging and a white wound that clears in a short period of time. Prolonged contact may cause more serious burns.
- Symptoms/injuries after ingestion : Harmful if swallowed. May cause gastrointestinal complications.

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 : Water, Alcohol-resistant Foam, Carbon dioxide (CO₂), Dry powder
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustible.
- Explosion hazard : Development of hazardous combustion gases or vapors possible in the event of fire. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Nitrogen oxides (NO_x), Hydrogen fluoride

5.3. Advice for firefighters

- Protection during firefighting : Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

6.1.2. For emergency responders

Protective equipment see section 8.

6.2. Environmental precautions

Do not let product enter drains. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Cover drains. Stop the flow of material, if this is without risk.
- Methods for cleaning up : Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes and skin. Wash thoroughly after handling. Observe label precautions.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Tightly closed. Protect container against physical damage and store in a cool, dry ventilated area. Do not store above 86°F (30°C).

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Oxalic Acid (6153-56-6)		
NIOSH/GUIDE	Recommended exposure limit (REL):	1 mg/m ³
	Short Term Exposure Limit (STEL):	2 mg/m ³
OSHA	PEL:	1 mg/m ³
Z1A	Short Term Exposure Limit (STEL):	2 mg/m ³
	Time Weighted Average (TWA):	1 mg/m ³
ACGIH	Time Weighted Average (TWA):	1 mg/m ³
	Short Term Exposure Limit (STEL):	2 mg/m ³
Water (7732-18-5)		
ACGIH	Not applicable	
OSHA	Not applicable	
Cellulose, 2-hydroxyethyl ether (9004-62-0)		
ACGIH	Not applicable	
OSHA	Not applicable	

8.2. Exposure controls

Engineering measures	Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
Individual protection measures	Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier.
Hand protection	: Full Contact: Glove material: Nitrile rubber Glove thickness: 0.11 mm Break through time: > 480 min Splash Contact: Glove material: Nitrile rubber Glove thickness: 0.11 mm Break through time: > 480 min The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril® L (full contact), KCL 741 Dermatril® L (splash contact). The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).
Eye protection	: Tightly fitting safety goggles
Skin and body protection	: Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance. Wear protective clothing
Respiratory protection	: Required when dusts are generated. Recommended Filter type: Filter P 2 (acc. to DIN 3181) for solid and liquid particles of harmful substances The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are performed according to the instructions of the producer. These measures have to be properly documented

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid gel
Appearance	: Viscous
Color	: Semi-Translucent White
Odor	: Mild

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Odor threshold	: 10 ppm
pH	: 3.0
Melting point	: < 0 °C
Freezing point	: No data available
Boiling point	: 90 °C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: 15.5 mm Hg @ 20 C
Specific gravity	: 1.026
Relative vapor density at 20 °C	: No data available
Solubility	: Water: 57.7 %
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 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 under standard ambient conditions (room temperature).

10.3. Possibility of hazardous reactions

None under normal conditions. May react with chlorates, sodium hypochlorite, Strong oxidizing agents, silver, salts of oxyhalogenic acids.

10.4. Conditions to avoid

Keep away from heat, sparks and flame. Decomposes when heated above 70-80C. Keep away from incompatible materials.

10.5. Incompatible materials

Chlorates, sodium hypochlorite, Strong oxidizing agents, silver, salts of oxyhalogenic acids

10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NOx), Hydrogen fluoride

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Inhalation: Harmful if inhaled.

Oxalic Acid (CAS 6153-56-6)	
LD50 oral rat	1.080 mg/kg
LD50 dermal rabbit	Mild irritation
LC50 inhalation rat (mg/l)	No irritation
ATE US (oral)	380 mg/kg
ATE US (dermal)	1,520 mg/kg
Water (7732-18-5)	
LD50 oral rat	> 90 ml/kg

Skin corrosion/irritation : Causes skin irritation.
pH: 3.0

Serious eye damage/irritation : Causes eye irritation.
pH: 3.0

Respiratory or skin sensitization : Not classified

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Germ cell mutagenicity	: Result: Not mutagenic in Ames Test. Histidine reversion (Ames)
Carcinogenicity	: IARC: 3 -Group 3: Not classifiable as to its carcinogenicity to humans
Reproductive toxicity	: Possible risk of congenital malformation in the fetus.
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

Benzyl alcohol (100-51-6)	
LC50 fish 1	160 mg/l (Exposure time: 48 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	137 mg/l (Exposure time: 48 h - Species: water flea)

12.2. Persistence and degradability

Oxalic Acid (CAS 6153-56-6)	
Biodegradability	89%; 20 days aerobic - Readily biodegradable.

12.3. Bioaccumulative potential

Oxalic Acid (CAS 6153-56-6)	
Log Pow	-1.7 (23°C) - Bioaccumulation is not expected.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste 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 a dangerous good as defined in transport regulations

SECTION 15: Regulatory information

15.1. US Federal regulations

Oxalic Acid (CAS 6153-56-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory (ethanedioic acid)	
Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Cellulose, 2-hydroxyethyl ether (9004-62-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Ammonium Bifluoride (CAS 6153-56-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. US State regulations

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Oxalic Acid (CAS 6153-56-6)	
U.S. – California – (Proposition 65)	This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm
Pennsylvania	Right to Know - Oxalic Acid - 10% Solution
Massachusetts	Right to Know - Oxalic Acid - 10% Solution
HMIS	Health Hazard: 2 Fire Hazard: 0 Reactivity: 0 Personal Protection: j
National Fire Protection Association	Health: 2 Flammability: 0 Reactivity: 0 Specific hazard:

SECTION 16: Other information

Acute Tox. 1B (Cat. 3) (Skin Cor), H301, H314	Skin corrosion/irritation (eye) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Skin Irrit. 2	Skin corrosion/irritation Category 2
H301	Toxic if swallowed
H302	Harmful if swallowed
H302 + H312	Harmful if swallowed or in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage.

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