

Safety Data Sheet

SDS# 0009

Oxalic Acid 99.6% Pure



Crystal Clear Lab™

Oxalic Acid 99.6% Pure

SECTION 1: IDENTIFICATION

Product Identifier: Oxalic Acid 99.6% Pure

Synonyms: Ethanedioic acid; Oxalic acid dihydrate

SDS Number: CCL_SDS0009

Manufacturer: Crystal Clear Lab

Address: 13854 C Plaza, Omaha, NE 68144

24-Hour Emergency Contact: 1-833-875-0643

Recommended Use: Industrial, manufacturing, or laboratory use.

Restrictions on Use: Use only as directed.

SECTION 2: HAZARD IDENTIFICATION

GHS Classification:

Acute Toxicity (Oral) - Category 4

Acute Toxicity (Dermal) - Category 4

Serious Eye Damage - Category 1

Label Elements:

Pictograms:



Signal Word: Danger

Hazard Statements: Harmful if swallowed or in contact with skin. Causes serious eye damage.

Precautionary Statements - Prevention: Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response: Immediately call a poison center or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Wash with plenty of water. Take off contaminated clothing and wash it before reuse. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Precautionary Statements - Disposal: Dispose of contents/container in accordance with local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Oxalic Acid	6153-56-6	< 100%

For the full text of the hazard statements referenced in this section, see Section 16.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Eye Contact: Small amounts splashed into eyes can cause irreversible tissue damage and blindness. Rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Take victim immediately to hospital.

Skin Contact: Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.

Inhalation: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms: Skin: irritation, redness, itchiness. Eyes: irritation, redness, watering eyes, itchiness. Respiratory: irritation, coughing, wheezing. Ingestion: irritation, nausea, vomiting, diarrhea.

Indication of Immediate Medical Attention and Special Treatment Needed

Notes to Physician: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Product is flammable at high temperatures. Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Use appropriate media for adjacent fire. Cool unopened containers with water.

Unsuitable Extinguishing Media: High-volume water jet.

Specific Hazards Arising from the Chemical: Emits toxic fumes (carbon oxides) under fire conditions.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Use personal protective equipment. Avoid dust formation.

Environmental Precautions

Environmental Precautions: Prevent spillage from entering drains. Any release to the environment may be subject to federal, national, or local reporting requirements. See Section 12 for additional ecological information.

Methods and Materials for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Prevent dust cloud formation. Scoop solid spill into closed containers. Carefully collect the spill. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Keep in suitable, closed containers for disposal. Dispose of all waste and cleanup materials in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling: Avoid formation of dust. Provide appropriate exhaust ventilation at places where dust is formed. Wash thoroughly after using. Keep container closed when not in use. Wear protective gloves/protective clothing and eye/face protection.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool, and well-ventilated place. Moisture sensitive. Keep away from incompatible materials; see Section 10.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	CAS No.	ACGIH	OSHA PEL	NIOSH
Oxalic Acid	6153-56-6	TLV: 1 mg/m³ STEL: 2 mg/m³	1 mg/m³	REL: 1 mg/m³ STEL: 2 mg/m³

Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Eye wash bottle with pure water. Tightly fitting safety goggles. Wear face shield and protective suit for abnormal processing problems. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

Skin and Body Protection: Handle with gloves. Inspect gloves prior to use. Use proper glove-removal technique to avoid skin contact. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory Protection: No personal respiratory protective equipment normally required. In case of high dust concentration, use a dust mask applicable to local conditions.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Property	Value
Physical State	Solid
Appearance	Powder
Color	Transparent
Odor	Not determined
Odor Threshold	Not determined
pH	0.70 (50 g/L aqueous solution)
Melting Point / Freezing Point	101.5°C (214.7°F)
Initial Boiling Point and Range	149-160°C (300-320°F)
Flash Point	No data available
Flammability (Solid, Gas)	No data available
Vapor Pressure	< 0.001 mmHg (20°C)
Vapor Density	4.3 (Air = 1.0)
Relative Density	1.65 g/cm³
Water Solubility	Soluble
Thermal Decomposition	Not available
Autoignition Temperature	Not available
Explosive Properties	Not explosive
Oxidizing Properties	No data available

SECTION 10: STABILITY AND REACTIVITY

- Reactivity: Stable under normal conditions.
- Chemical Stability: Stable under recommended storage conditions.
- Possibility of Hazardous Reactions: Will not occur.
- Conditions to Avoid: Avoid moisture.
- Incompatible Materials: Metals, alkali metals.
- Hazardous Decomposition Products: Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Eye Contact: Avoid contact with eyes.

Skin Contact: Avoid contact with skin.

Inhalation: Avoid inhalation of dust.

Ingestion: Do not consume.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Oxalic Acid 6153-56-6	= 1080 mg/kg (Rat)	No data available	No data available

Symptoms Related to Physical, Chemical, and Toxicological Characteristics

Symptoms: Skin: irritation, redness, itchiness. Eyes: irritation, redness, watering eyes, itchiness. Respiratory: irritation, coughing, wheezing. Ingestion: irritation, nausea, vomiting, diarrhea.

Delayed and Immediate Effects and Chronic Effects from Short- and Long-Term Exposure

Carcinogenicity: None.

IARC/ACGIH/NTP/OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity - Component Information

Chemical Name	Algae / Aquatic Plants	Fish	Crustacea
Oxalic Acid 6153-56-6	No data available	LC50: 24 mg/L (96h, <i>Lepomis macrochirus</i>)	No data available

Persistence / Degradability: Readily biodegradable.

Bioaccumulation: Not available.

Mobility: Not available.

Other Adverse Effects: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with all applicable local, state, and federal regulations.

Contaminated Packaging: Empty remaining contents. Dispose of as unused product. Do not reuse empty containers.

SECTION 14: TRANSPORT INFORMATION

Note: Please see current shipping paper for the most up-to-date shipping information, including exemptions and special circumstances.

DOT: Not regulated as a dangerous good.

IATA: Not regulated as a dangerous good.

IMDG: Not regulated as a dangerous good.

SECTION 15: REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	TSCA Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
Oxalic Acid	X	ACTIVE	-	-	X	X	X	X	-

Legend: TSCA - United States Toxic Substances Control Act Section 8(b) Inventory; DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List; EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances; ENCS - Japan Existing and New Chemical Substances; IECSC - China Inventory of Existing Chemical Substances; KECL - Korean Existing and Evaluated Chemical Substances; PICCS - Philippines Inventory of Chemicals and Chemical Substances; AIIC - Australian Inventory of Industrial Chemicals.

US Federal Regulations

SARA 313: Substance not listed.

SARA 311/312: Acute Health Hazard: Yes.

CWA (Clean Water Act): Not applicable.

US State Regulations - Right-to-Know

Component	Massachusetts	Pennsylvania	New Jersey
Oxalic Acid (6153-56-6)	X	X	X

SECTION 16: OTHER INFORMATION

System	Health Hazards	Flammability	Instability / Physical Hazards	Special / Personal Protection
NFPA	0	1	0	-
HMIS	0	1	0	Not determined

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Revision Note: Reissued under Crystal Clear Lab identity and formatting; supplier branding and contact information removed.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet