

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Oxalic Acid, Dihydrate - Ethanedioic Acid  
**Synonyms:** oxalic acid dihydrate, Oxalic Acid, - Ethanedioic Acid  
**CAS Number:** 6153-56-6  
**Grade/Purity:** Technical  
**Product Type:** Acids  
**Product Use:** Industrial, Manufacturing or Laboratory use  
**Manufacturer/Supplier:** Alliance Chemical, 204 South Edmond St, Taylor, Texas 76574  
**Information:** 512-365-6838 | [www.alliancechemical.com](http://www.alliancechemical.com)  
**Emergency:** CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

**2. HAZARDS IDENTIFICATION**

**Signal Word:** Danger

**GHS Pictograms:**



**Hazard Statements:**

H302+H312 (12.7%)	Harmful if swallowed or in contact with skin [Warning Acute toxicity, oral; acute toxicity, dermal]
H302 (98.8%)	Harmful if swallowed [Warning Acute toxicity, oral]
H312 (98.4%)	Harmful in contact with skin [Warning Acute toxicity, dermal]
H315 (18.9%)	Causes skin irritation [Warning Skin corrosion/irritation]
H318 (39.9%)	Causes serious eye damage [Danger Serious eye damage/eye irritation]
H373 (21.4%)	May causes damage to organs through prolonged or repeated exposure [Warning Specific target organ toxicity, repeated exposure]

**Precautionary Statements:**

P260,	P264, P264+P265, P270, P280, P301+P317, P302+P352, P305+P354+P338, P317, P319, P321, P330, P332+P317, P362+P364, and P501
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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

COMPONENT	WEIGHT %	CAS #	EINECS# / ELINCS#	FORMULA	MOLECULAR WEIGHT
oxalic acid dihydrate	See specification	6153-56-6	205-634-3	C <sub>2</sub> H <sub>6</sub> O <sub>6</sub>	126.07 g/mol

**4. FIRST-AID MEASURES**

<b>Eyes</b>	Rinse with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.
<b>Skin</b>	Remove contaminated clothes. Rinse skin with plenty of water or shower for at least 15 minutes. Refer for medical attention .
<b>Inhalation</b>	Move person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Media</b>	Dry chemical, CO <sub>2</sub> , water spray. Use water spray to cool containers.
<b>Unsuitable Media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Protective Equipment</b>	Wear self-contained breathing apparatus and full protective clothing.
<b>Combustion Products</b>	May include carbon oxides and other toxic fumes. See Section 10.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.
<b>Environmental</b>	Prevent leakage or spillage from entering drains, sewers, or waterways.
<b>Containment &amp; Cleanup</b>	Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations.

## 7. HANDLING AND STORAGE

<b>Safe Handling</b>	Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use.
<b>Safe Storage</b>	Store in a cool, dry, well-ventilated area. Use corrosion-resistant containers. Keep away from incompatible materials (see Section 10). Keep containers tightly closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.

**Occupational Exposure Limits:**

No established occupational exposure limits.

<b>Eyes</b>	Wear chemical safety goggles or face shield.
<b>Skin</b>	Wear chemical-resistant gloves and protective clothing.
<b>Inhalation</b>	Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colorless crystals
<b>Odor</b>	Characteristic
<b>pH</b>	Not Available
<b>Melting Point</b>	101°C (213.8°F)
<b>Boiling Point</b>	Not Available
<b>Flash Point</b>	Not Available
<b>Vapor Pressure</b>	Not Available
<b>Specific Gravity</b>	1.653
<b>Solubility</b>	Soluble in water, alcohol, and ether
<b>Molecular Formula</b>	C <sub>2</sub> H <sub>6</sub> O <sub>6</sub>
<b>Molecular Weight</b>	126.07 g/mol

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Hazardous Reactions</b>	None under normal processing conditions.
<b>Conditions to Avoid</b>	Heat, sparks, open flame, and incompatible materials.
<b>Incompatible Materials</b>	Strong acids, strong bases, reactive metals, water (for some concentrated forms).
<b>Decomposition Products</b>	May produce carbon oxides and other toxic fumes when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** See Section 2 for GHS hazard classification.

<b>IARC</b>	Not listed as carcinogen.
<b>NTP</b>	Not listed as carcinogen.
<b>OSHA</b>	Not listed as carcinogen.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Data not available. Avoid release to the environment.
<b>Persistence</b>	Not Available
<b>Bioaccumulation</b>	Not Available
<b>Mobility in Soil</b>	Not Available

## 13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

## 14. TRANSPORT INFORMATION

<b>US DOT</b>	UN3261, Corrosive solid, acidic, organic, n.o.s., 8, PG III
<b>IMDG</b>	UN3261, Corrosive solid, acidic, organic, n.o.s., 8, PG III
<b>IATA/ICAO</b>	UN3261, Corrosive solid, acidic, organic, n.o.s., 8, PG III
<b>Marine Pollutant</b>	No

## 15. REGULATORY INFORMATION

<b>TSCA Inventory</b>	All ingredients are listed on the TSCA Active inventory.
<b>California Prop 65</b>	Refer to California Proposition 65 list for current status.
<b>SARA 311/312</b>	See Section 2 for hazard classifications.
<b>SARA 313</b>	Refer to EPA Toxic Release Inventory for current listing status.

## 16. OTHER INFORMATION

**Revision Date:** 04/29/2026

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