

1. Product and Company Identification

Product Code: 0003447
Product Name: Oxalic Acid 5%
Company Name: Alpha-Tec Systems, Inc.
 1311 SE Cardinal Ct Suite 170
 Vancouver, WA 98683
Phone Number: 1 (360)260-2779
Web site address: Alphatecsystems.com
Email address: Regulatory@Alphatecsystems.com
Emergency Contact: INFOTRAC
 International 00-1- (352)323-3500
 North America 1 (800)535-5053
Information:
Intended Use: For Laboratory Use Only
Product List Oxalic Acid 5%, Product Code Also Applies To: 0003435, 0003460, 0004805, 0004805S, X003435, X004817.

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2



GHS Signal Word: **Warning**
GHS Hazard Phrases: H319 - Causes serious eye irritation.
GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+313 - If eye irritation persists, get medical advice/attention.
GHS Storage and Disposal Phrases: No phrases apply.
Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Skin Contact: May cause skin irritation. Skin Absorption: Skin absorption may occur. Harmful if absorbed through the skin.
Eye Contact: Severe eye irritant.
Ingestion: Harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	1000. -50000. PPM	RO2450000

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

In Case of Skin Contact: In case of contact, immediately wash skin with soap and copious amounts of water.

In Case of Eye Contact: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

In Case of Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5. Fire Fighting Measures

Flash Pt: No data. Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Suitable: Water spray.

Fire Fighting Instructions: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s):

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: PROCEDURE(S) OF PERSONAL PRECAUTION(S)
 Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
 Methods for cleaning up.
 Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

Precautions To Be Taken in Handling: User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing.

Precautions To Be Taken in Storing: Suitable: Keep tightly closed. SPECIAL REQUIREMENTS:

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.
Eye Protection:	No data available.
Protective Gloves:	Hand: Compatible chemical-resistant gloves. Eyes:
Other Protective Clothing:	No data available.
Engineering Controls (Ventilation etc.):	Safety shower and eye bath. Mechanical exhaust required.
Work/Hygienic/Maintenance Practices:	Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Colorless/Clear. Odorless.	
pH:	No data.	
Melting Point:	104.00 C (219.2 F) - 106.00 C (222.8 F)	
Boiling Point:	No data.	
Flash Pt:	No data. Method Used: Estimate	
Evaporation Rate:	No data.	
Flammability (solid, gas):	No data available.	
Explosive Limits:	LEL: No data.	UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Specific Gravity (Water = 1):	No data.	
Solubility in Water:	No data.	
Solubility Notes:	METHANOL.	
Octanol/Water Partition Coefficient:	No data.	
Autoignition Pt:	No data.	
Decomposition Temperature:	No data.	
Viscosity:	No data.	

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	No data available.
Incompatibility - Materials To Avoid:	Bases, Avoid contact with metals. Acid chlorides.
Hazardous Decomposition or Byproducts:	Carbon monoxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information: No data available.

12. Ecological Information

General Ecological Information: ELIMINATION.

13. Disposal Considerations

Waste Disposal Method: APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION.
 Contact a licensed professional waste disposal service to dispose of this material.
 Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. Transport Information

GHS Classification: Serious Eye Damage/Eye Irritation, Category 2 - Warning! Causes serious eye irritation

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.
UN Number:
Hazard Class: **TDG Classification:**

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not Regulated.
UN Number:
Hazard Class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Acute (immediate) Health Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Chronic (delayed) Health Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Fire Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Sudden Release of Pressure Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
6153-56-6	Ethanedioic acid, Dihydrate {Oxalic acid dihydrate}	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: Yes - 1

16. Other Information**Revision Date:** 12/28/2016**Preparer Name:** Tim Meehan**Additional Information About** No data available.**This Product:****Document & Change Control** SDS0188.D CC16-312.**Number****Company Policy or** Disclaimer**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 a 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.