

## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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- **Product name:** **ERYTHORBIC ACID**
- **Manufacturer:** Deep South Chemical, Inc.  
229 Millstone Road  
Broussard, LA 70518 (337) 837-9931
- **For Emergency :** Call **CHEMTREC 1-800-424-9300**  
Outside the U.S.A. (703)-527-3887
- **Chemical Family:** Organic acid
- **Contact Person:** Glenn Ray
- **Formula:** C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>
- **MSDS Revised:** January 1, 2014

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

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Hazardous components	CAS Number	%	PEL(OSHA)		TLV(ACGIH)		IDLH
			TWA	STEL	TWA	STEL	
D-Isoascorbic acid	89-65-6	100	N/E	N/E	N/E	N/E	N/E

### SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

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**Effects of overexposure:**

**Inhalation:** Irritant

**Eye Contact:** Mild irritation.

**Skin Contact:** Irritating to skin.

**Ingestion:** Irritation of the mouth, throat, and digestive tract.

### SECTION 4. FIRST AID MEASURES

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**Eyes:** Move victim away from exposure and into fresh air. If irritation persists, seek medical attention. For direct exposure, flush with clean water for 15 minutes. Hold eyelids apart to ensure flushing of the entire eye surface.

**Inhalation:** Move victim away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, artificial respiration should be administered.

**Skin:** Remove contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing.

**Ingestion:** Drink plenty water. Do not induce vomiting. If victim is drowsy or unconscious, place on left side with head down. Seek medical attention.

### SECTION 5. FIRE FIGHTING MEASURES

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**Fire fighting measures:** Use water fog, powder, foam, or CO<sub>2</sub> to extinguish fire.

**Special Fire Fighting Procedures:** Water spray to cool drums.

**Explosive Properties:**

**LEL:** 8g/ft<sup>3</sup>

**UEL:** 14 g/ft<sup>3</sup>

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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**Steps to be taken if material is released or spilled:** Use proper personal protective equipment. Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area. Keep out of drains, sewers or waterways. Vacuum or sweep up material and place into a suitable disposal container.

**Waste disposal method:** Dispose of according to local, state and federal regulations in an approved disposal facility or recycling facility.

**SECTION 7. HANDLING AND STORAGE**

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**Storage:** Store in a well-ventilated area. Keep container tightly closed when not in use. Store in cool, dry area. Keep away from sources of ignition.

**Handling:** Use proper personal protective equipment. Avoid contact with skin or eyes. Avoid breathing of vapors. Handle in well-ventilated workspace. When handling do not eat, drink, or smoke.

**Other precautions:** Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks or other sources of ignition.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Ventilation:** Keep work area well ventilated.

**Protective clothing:** Impermeable gloves and impervious clothing as appropriate.

**Eye protection:** Chemical goggles where splashing may occur.

**Respiratory Protection:** Use appropriate respiratory protection when handling or in case of insufficient ventilation.

**Special Protection:** Safety shower, eye bath, and washing facilities should be available.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Specific gravity @ 75°F (H<sub>2</sub>O = 1):** N/A

**Flash Point:** N/A

**Viscosity:** N/A

**Vapor density (Air = 1):** N/A

**Solubility:** Soluble

**Vapor pressure @ 75°F:** N/A

**Evaportaion Rate:** N/A

**Apperance and Odor:** White to yellow crystalline powder, granules; odorless

**Boiling Point:** N/A

**Melting Point:** 327-345°F (decomposition)

**Freezing Point:** N/A

**pH:** 1.9-2.5 (10% solution)

**Auto-ignition:** 1184°F

**SECTION 10. STABILITY AND REACTIVITY**

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**Stability and Reactivity:** Stable in normal conditions.

**Incompatibility/Materials:** Strong oxidizing agents, strong acids, and reactive metals.

**Hazardous Decomposition Products:** Smoke, carbon oxides.

**Hazardous polymerization:** Will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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**Oral LD<sub>50</sub>:** 8.3 g/kg (mouse)

**Inhalation LC<sub>50</sub>:** N/D

**Skin:** May cause irritation.

**Eyes:** May cause slight irritation.

**Mutagenicity:** Mutation in microorganisms-Salmonella typhimurium 50mg/plate (-S9); DNA damage-mammal lymphocyte 5mmol/L

**Carcinogenicity:** None

**SECTION 12. ECOLOGICAL INFORMATION**

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**Ecotoxicity:**

No Data

**Environmental Fate**

**Degradation:** N/D

**Bioaccumulation:** N/D

**SECTION 13. DISPOSAL CONSIDERATIONS**

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**Disposal of waste materials:** Incinerate or in compliance with local, state, and federal regulations.

**Disposal of waste containers:** Recycle, clean out residues.

**SECTION 14. TRANSPORT INFORMATION**

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**DOT transport information:** Non-Regulated

**SECTION 15. REGULATORY INFORMATION**

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**Toxic Substances Control Act (TCSA):** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**CERCLA RQ-40 CFR 302.4(a)**Component

None

CERCLA RQ (lbs)**SARA 302 Components-40 CFR 355 Appendix A**Component

None

TPQ(Threshold Planning Quantity) (lbs)**Section 311/312 Hazard Class-40 CFR 370.2****Immediate (X)****Delayed ( )****Fire ( )****Reactive ( )****Sudden Release of Pressure ( )****SARA 313-40 CFR 372.65**Component

None

CAS Number%**SECTION 16. OTHER INFORMATION**

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**NFPA RATING:** Health (1) Fire (1) Reactivity (0)

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N/D= No data; N/A = Not available; N/E= Not established