

MATERIAL SAFETY DATA SHEET — Erythorbic Acid

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Erythorbic Acid FCC Fine Granular		[WHMIS Classification]	
Product Use			
Manufacturer's Name		Supplier's Name Ayers International Corp.	
Street Address		Street Address P.O. Box 4312	
City	State	City Greenwich	State CT
Postal Code	Emergency Telephone	Postal Code 06831	Emergency Telephone (800) 424 - 9300
Date MSDS Prepared 07/07/2010	MSDS Prepared By J. Miller		Phone Number (203) 329 - 8966

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	%	CAS Number	LD ₅₀ of Ingredient (specify species and route)	LC ₅₀ of Ingredient (specify species)
Erythorbic Acid	100.0	89-65-6		
Hazardous Ingredients (specific)				

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry Skin Contact Skin Absorption Eye Contact Inhalation Ingestion

Eye Contact: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin Contact: Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage.

Swallowing: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation: This material is a dust or may produce dust.

Symptoms of Exposure: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways).

SECTION 4 — FIRST AID MEASURES

Skin Contact: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Eye Contact: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Ingestion: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Note to Physicians: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	If yes, under which conditions?	
Means of Extinction: Water fog, carbon dioxide, dry chemical. Firefighting Instructions: Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.		
Flashpoint (° C) and Method Not applicable	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
Autoignition Temperature (°C) No data	Explosion Data — Sensitivity to Impact Organic dusts can form explosive mixtures in air.	Explosion Data — Sensitivity to Static Discharge Not applicable
Hazardous Combustion Products May form: carbon dioxide and carbon monoxide, various hydrocarbons		
[NFPA] Not determined		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Small Spill: Sweep up material for disposal or recovery.
Large Spill: Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage Requirements

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits

ACGIH TLV

OSHA PEL

Other (*specify*)

Specific Engineering Controls (*such as ventilation, enclosed process*)

No exposure limits established

Personal Protective Equipment



Gloves



Respirator



Eye

Footwear

Clothing

Other

If checked, please specify type

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses.

Skin Protection: Wear resistant gloves such as: neoprene, nitrils rubber, polyvinyl chloride. Wear normal work clothing covering arms and legs.

Respiratory Protections: If needed, use a NIOSH/MSHA jointly approved dust respirator.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid (Crystal form)	Odor and Appearance Color: White to light yellow, fine Odor: No data	Odor Threshold (ppm) No data
Specific Gravity .000	Vapour Density (air = 1) Not applicable	Vapour Pressure (mmHg) Not applicable
Evaporation Rate Not applicable	Boiling Point (° C) Not applicable	Freezing Point (° C)
pH Not applicable	Coefficient of Water/Oil Distribution	[Solubility in Water]

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Avoid contact with: reactive metals such as aluminum and magnesium, strong alkalis – can react with chemically reactive metals, such as aluminum, zinc, magnesium, copper, etc., to release hydrogen gas which can form explosive mixtures with air.

Hazardous Decomposition Products

May Form: carbon dioxide and carbon monoxide, various hydrocarbons

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

No data

Effects of chronic exposure

No data

Irritancy of Product

Skin sensitization	Respiratory sensitization
Carcinogenicity-IARC	Carcinogenicity - ACGIH
Reproductive toxicity	Teratogenicity
Embrototoxicity	Mutagenicity

Name of synergistic products/effects

Please continue on reverse side

SECTION 12 — ECOLOGICAL INFORMATION

No data

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal:

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

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information

The DOT Transport Information may vary with the container and mode of shipment.		PIN
TDG	[DOT] DOT Information – 49 CFR 172.101 DOT Description: Non-regulated by D.O.T. Container/Mode: 55 Gal Drum/Truck Package NOS Component: None RQ (Reportable Quantity) – 49 CFR 172.101: Not applicable	
[IMO]		

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification]	[SARA] 302 Components – 40 CFR 355 Appendix A: None 313 Components – 40 CFR 372.65: None	[OSHA] 29 CFR 1910: None listed
	[CERCLA] RQ – 40 CFR 302.4 (a): None listed	[EPA] Accidental Release Prevention 40 CFR 68: None Listed
		[TSCA] The intentional ingredients of this product are listed.
<i>International Regulations</i>	DSL (Canada): The international ingredients of this product are listed. TCCL (Korea): The international ingredients of this product are listed.	
<i>State and Local Regulations</i>	California Proposition 65: None	

SECTION 16 — OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.