

## **I - PRODUCT IDENTIFICATION**

Product: A+ Stain Remover

Chemical Family:

Formula: C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>

CAS Number: 50-81-7

Synonyms: Erythorbic Acid; Isoascorbic acid; D-araboascorbic acid is a stereoisomer of ascorbic acid

### **COMPANY IDENTIFICATION**

AllChem Performance Products  
6010 NW First Place  
Gainesville, FL 32607  
Tel: 352-378-9696

### **24 HR EMERGENCY TELEPHONE NUMBER**

INFOTRAC (Transportation): (800)535-5053

## **II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Chemical or Common Name: \_\_\_\_\_ %

Erythorbic Acid 99-100

## **III - HAZARDS IDENTIFICATION**

### **Emergency Overview:**

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Health Rating: 1 - Slight

Flammability Rating: 1 - Slight

Reactivity rating: 0 - None

Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LABCOAT

Storage Color Code: Orange (General Storage)

### **Potential Health Effects:**

Ascorbic acid is relatively non-hazardous in routine industrial situations. It is not expected to present significant health risks to the workers who use it.

### **Inhalation:**

May cause mild irritation to the respiratory tract.

**Ingestion:**

Large oral doses may cause gastrointestinal disturbances.

**Skin contact:**

May cause mild irritation

**Eye contact:**

May cause mild irritation.

**Chronic exposure:**

No information found

**Aggravation of Pre-existing conditions:**

No information found.

Carcinogenicity Listings: None of the ingredients listed by NTP, IARC, OSHA.

OSHA: ()

NTP: ()

IARC: ()

**IV – FIRST AID MEASURES**

See Health Hazards General.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation persists.

**Ingestion:**

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

**Skin Contact:**

Wash exposed area with soap and water. Get medical advice if irritation develops.

**Eye Contact:**

Wash thoroughly with running water. Get medical advice if irritation develops.

**V – FIRE FIGHTING MEASURES**

**Fire:**

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

**Explosion:**

Not considered to be an explosion hazard.

**Fire Extinguishing Media:**

Use any means suitable for extinguishing surrounding fire.

**Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

## **VI – ACCIDENTAL RELEASE MEASURES**

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

## **VII – HANDLING AND STORAGE**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

## **VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Airborne Exposure Limits:**

- OSHA Permissible Exposure Limit (PEL):

15 mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable fraction for nuisance dusts.

- ACGIH Threshold Limit Value (TLV):

10 mg/m<sup>3</sup> total dust containing no asbestos and < 1% crystalline silica for Particulates Not Otherwise Classified (PNOC).

### **Ventilation System:**

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

### **Personal Respirators (NIOSH Approved):**

If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

**WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

### **Skin Protection:**

Wear protective gloves and clean body-covering clothing.

### **Eye Protection:**

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

## **IX - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: N/A

Vapor Pressure (mm Hg): No information

Vapor Density (Air=1): No information

Solubility in Water: 33g/100g water

Appearance and odor: White crystals, odorless

Density:1.65

Percent volatiles by volume @ 21°C(70°F):0

Melting Point °C: 192

Evaporation Rate(butyl acetate = 1): No information

pH: 3 (5mg/l aqueous solution) 2 (50 mg/l aqueous solution)

## **X – STABILITY AND REACTIVITY**

### **Stability:**

Stable under ordinary conditions of use and storage. Aqueous solutions are rapidly oxidized by air.

### **Hazardous Decomposition Products:**

May produce acrid smoke and irritating fumes when heated to decomposition.

### **Hazardous Polymerization:**

Will not occur.

### **Incompatibilities:**

Strong oxidizers and alkali hydroxides, alkalis, iron, copper, sodium salicylate, sodium nitrite, theobromine and methenamine.

### **Conditions to Avoid:**

No information found.

## **XI - TOXICOLOGICAL INFORMATION**

Oral (rat) LD50 11,900 mg/kg . Investigated as a tumorigen, mutagen, and reproductive effector.

## **XII- ECOLOGICAL INFORMATION**

### **Environmental Fate:**

No information found.

### **Environmental Toxicity:**

No information found.

## **XIII – DISPOSAL CONSIDERATIONS**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, state and local requirements.

#### **XIV - TRANSPORTATION DATA**

##### U.S. Department of Transportation - 49 CFR

###### **Not regulated**

Proper Shipping Name:  
Hazard Class/Division Number:  
ID Number:  
Packing Group:  
Label Required:  
Placard Required:  
Marine Pollutant:  
Emergency Telephone Number:

##### International Maritime Organization - IMDG

###### **Not regulated**

Proper Shipping Name:  
Hazard Class/Division Number:  
ID Number:  
Packing Group:  
Label Required:  
Placard Required:  
Marine Pollutant:  
Emergency Telephone Number:

#### **XV - REGULATORY INFORMATION**

SARA 313: No  
SARA 302: No  
SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No  
TSCA: Yes  
CERCLA: No  
Chemical Weapons Convention: No  
TSCA 12(b): No  
CDTA: No  
Reactivity: No (pure/solid)  
Poison schedule: None allocated  
Other information:

NFPA Ratings: Health:1 Flammability:0 Reactivity:0

## **XVI - ADDITIONAL INFORMATION**

This MSDS replaces the 11/02/2001 version. Any changes in information are as follows:  
In Section I - 24 hr emergency telephone number

**ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL.**

Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section XV of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

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