

Ascorbic Acid

SDS Number: AA 2908

Date: August 1, 2016

Section 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

**Product Name:** L-Ascorbic acid  
 Sold under the trade name of: No-Chlor™ Ascorbic Acid

**Other Identification:** A61-100, A61-25, A62-12,A62-25,A62-212,A62-500, BP351-500

Synonyms: Vitamin C; 3-Keto-L-glucofuranolactone; Ascorbic acid

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

Users advised against: no information available

**Reseller:** Measurement Technologies, Inc.  
 P.O. Box 2195  
 Redmond, WA 98074  
 Information: (425) 836-8683

**Manufacturer:** Shandong Luwei Pharmaceutical Co., Ltd.  
 Shuangfeng Industrial Park  
 Zichuan district, Zibo, Shandong, China  
 Information: 86-533-5331415

**Emergency Contact:** 800-424-9300 (CHEMTREC)

Section 2: HAZARD(S) IDENTIFICATION

Classification: Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Based on available data, the classification criteria are not met

Label Elements: None required

Hazzards not otherwise classified (HNOC) Sensitivity to light

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Ingredients

Chemical	Synonym Common Name	Cas No.	% by Wt.
L-Ascorbic acid	Ascorbic acid	50-81-7	99

Storage: Keep containers tightly closed in a dry, cool and well ventilated place. Protect from light. Store under an inert atmosphere.

Section 4: FIRST AID MEASURES

**Symptoms / Effects:**  
 Notes to Physician: Treat symptomatically

Important symptoms/effect: No information available

**Eyes:** Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to insure thorough flushing of the entire area of the eye and lids. Obtain medical attention if irritation occurs.

**Skin:** Immediately flush with large quantities of water. Obtain medical attention if irritation occurs.

**Ingestion:** Do not induce vomiting. Obtain medical attention.

**Inhalation:** Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. Get medical attention immediately if symptoms occur.

Section 5: FIRE FIGHTING MEASURES

**Unsuitable Extinguishing Media:** No Information available

**Flash Point:** No Information available  
**Method:** No Information available  
**Autoignition Temperature:** 660° C

**Explosion Limits:**

**Upper:** No data available  
**Lower:** No data available  
**Sensitivity to Mechanical Impact:** No Information available  
**Sensitivity to Static Discharge:** No Information available

**Specific Hazards Arising from the Chemical:**

Keep product and empty container away from heat and sources of ignition.

**Hazardous Combustion Products:** None known

**Protective Equipment and Precautions for Firefighters:**

Firefighters should wear self-contained breathing apparatus pressure demand, MSHA/NIOSH and full fire-fighting turnout gear.

**NFPA:** Health - 1 Flammability - 1 Instability - 1 Physical hazards - N/A

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.  
**Environmental Precautions:** Should not be released into the environment  
**Methods of Containment and Clean Up:** Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

**Section 7: HANDLING and STORAGE**

**HANDLING:** Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation.  
**STORAGE:** Keep containers tightly closed in a dry and well-ventilated place. Protect from light. Store under inert atmosphere.

**Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Exposure Guidelines:** This product does not contain any hazardous materials with occupational exposure limits  
**Engineering Measures:** Ensure that eyewash stations and safety showers are close to workstation location. Ensure adequate ventilation, especially in confined areas.  
**Personal Protective Equipment (PPE):**  
**Eye/Face Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.  
**Skin Protection:** Wear appropriate protective gloves and clothing to prevent skin exposure.  
**Respiratory Protection:** Follow the OSHA respirator regulations found in 29 CFR 1910.134  
**Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

**Section 9: PHYSICAL and CHEMICAL PROPERTIES**

**Physical State:** Solid  
**Appearance:** Light yellow  
**Odor:** Odorless  
**Odor Threshold:** Not determined  
**pH:** (5% Solution) 2 - 3  
**Melting Point:** No information available  
**Boiling point:** No information available  
**Flash Point:** No information available  
**Evaporation Rate:** No information available  
**Flammability (solid, gas):** No information available  
**Flammability or explosive limits:**  
**Upper:** No data available

Lower:	No data available
Vapor pressure:	37 mm Hg @ 100° F
Vapor density:	No information available
Relative Density:	1.65
Solubility:	Soluble in water
Partition coefficient; n-octanol/water:	No data available
Autoignition Temperature:	660° C
Decomposition Temperature:	No information available
Viscosity:	No information available
Molecular Formula:	C6H8O6
Molecular Weight:	176.13

Section 10: STABILITY and REACTIVITY

Reactivity:	None known, based on information available
Stability:	Stable under normal conditions. Air sensitive. Light sensitive.
Conditions to Avoid:	Incompatible products
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	None under normal use conditions.
Hazardous Polymerization:	Hazardous polymerization does not occur
Hazardous Reactions:	None under normal processing

Section 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity**

**Component Information**

Component Information	LD50 Oral	LD50 Dermal	LC50 Inhalation
L-Ascorbic acid	11900 mg/kg (Rat)	Not Listed	Not Listed

**Toxicologically Synergistic Products:** No Information Available

**Delayed and immediate effects as well as chronic effects from short and long term exposure**

<b>Irritation:</b>	No information available
<b>Sensitization:</b>	No information available
<b>Carcinogenicity:</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
L-Ascorbic acid	50-81-7	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

<b>Mutagenic Effects:</b>	No information available
<b>Reproductive Effects:</b>	No information available
<b>Developmental Effects:</b>	No information available
<b>Teratogenicity:</b>	No information available
<b>STOT - single exposure:</b>	None known
<b>STOT - repeated exposure:</b>	None known
<b>Aspiration hazard:</b>	No information available
<b>Symptoms / effects both acute and delayed:</b>	No information available
<b>Endocrine Disruptor Information:</b>	No information available
<b>Other Adverse Effects:</b>	The toxicological properties have not been fully investigated

Section 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Do not empty into drains
<b>Persistence &amp; Degradability:</b>	No information available
<b>Bioaccumulative / Accumulation:</b>	No information available
<b>Mobility:</b>	No information available

Section 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemicals waste generators must also consult local, regional and national hazardous waste regulations to ensure complete and accurate classification.

Section 14: TRANSPORT INFORMATION

**DOT:** Not regulated  
**TDG:** Not regulated  
**IATA:** Not regulated  
**IMDG/IMO:** Not regulated

Section 15: REGULATORY INFORMATION

**U.S. Federal Regulations:**

**OSHA:** Not applicable

**TSCA:** Not applicable

**CERCLA:** Not applicable

**SARA 313:** Not applicable

**SARA 311/312 Hazardous Categorization**

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard No

Sudden Release od Pressure Hazard No

Reactive Hazard No

**Clean Water Act** Not applicable

**Clean Air Act** Not applicable

**State Right-to-Know:** Not applicable

**U.S. Department of Transportation**

Reportable Quantity (RQ): N

DOT Marine Pollutant: N

DOT Serve Marine Pollutant: N

**U.S. Department of Homeland Security**

This product does not contain any DHS chemicals.

**International Regulations:**

**Canada:**

**This product has been classified in accordance with the hazardous criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by**

**WHMIS Hazard Class: Non-controlled**

**State Regulations:**

**CA Proposition 65:** This product does not contain any Prop 65 chemicals

Section 16: OTHER INFORMATION

**Updated:** August 15, 2016

The entire SDS was reformatted to comply with the new Hazard Communications Standard dated March 26, 2012.

It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise Safety Data Sheets periodically as new information becomes available.