



Humco Holding Group, Inc.
7400 Alumax Dr
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800-662-3435
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www.humco.com

24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300
All non-emergency calls should be directed to
Customer Service at 800-662-3435

NAME: ASCORBIC ACID

SDS NO.0123

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ascorbic Acid

Synonyms: Vitamin C, L(+)- Ascorbic acid

Recommended Use: Vitamin C supplement, antioxidant in foods, prevents oxidation and discoloration is freshly cut fruit.

Manufacturer by: Humco Holding Group, Inc.

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2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Combustible solid
Signal Word:	Warning, may cause eye irritation, skin irritation and gastrointestinal irritation.
Hazard Statements:	Causes serious eye irritation.

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
ASCORBIC ACID	50-81-7

The exact percentage has been withheld as a trade secret.

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	May cause respiratory tract irritation.	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Ingestion	Ingestion of large amounts may cause gastrointestinal irritation. Large doses may cause diarrhea and acidification of the urine which may cause stones in the urinary tract.	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water. Wash mouth out with water. Get medical attention if irritation or symptoms occur.
Skin	May cause skin irritation.	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Eyes	May cause eye irritation.	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

5. FIRE-FIGHTING MEASURES

Flash Point:	Not Determined
Auto Ignition:	660° C
Extinguishing Media:	Small fire: Use dry chemical powder. Large Fire: Use water spray fog or foam. Do not use water jet.
Products of Combustion:	Carbon monoxide, carbon dioxide
Fire Fighting Equipment and Procedures:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Read entire label before using and follow all label instructions.
Environmental Precautions:	Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in the presence of shocks.
Method of Containment:	Carefully sweep up and remove.
Method for Clean-Up:	Vacuum or sweep up material and place in suitable disposal container. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE

Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Use with adequate ventilation. Avoid breathing dust.
Storage:	Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture. Store protected from light. Store under an inert atmosphere.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described in OSHA's eye and face protection regulations.
Skin Protection:	Wear appropriate protective gloves to prevent skin exposure.
Respiratory Protection	Use NIOH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
General Hygiene Considerations:	Always follow good hygienic practices. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to off white crystals.	Upper/Lower Flammability:	Not Determined
Odor:	Odorless	Vapor Pressure	Not determined
Odor Threshold:	Not determined	Vapor Density:	Not determined
pH:	2.1 2.6 (5% aq. soln.)	Relative Density:	Not determined
Melting point /Freezing Point:	190 - 192 ° C	Solubilities:	Soluble in hot water, alcohol, glycerol, propylene glycol
Boiling point/range:	Decomposition Temperature > 190 ° C	Partition coefficient: n-octanol/water:	Not Determined
Flash point	Not Determined	Auto-ignition temperature	660° C
Evaporation rate	Not Determined	Decomposition Temperature:	Not Determined
Flammability:	Not Determined	Viscosity	Not Determined

10. STABILITY AND RACTIVITY

Reactivity:	Air and light sensitive. Aqueous solutions are rapidly oxidized by air, accelerated by alkalies, iron and copper.
Chemical Stability:	Stable
Possibility of Hazardous reactions:	Reactive with oxidizing agents
Conditions to Avoid:	Light, dust generation, excess heat, moist air.
Incompatible materials:	Strong oxidizing agents, aluminum, copper, copper alloys, zinc.
Hazardous Decomposition Products:	Carbon monoxide. Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not determined
Skin irritation:	May cause skin irritation.
Eye contact damage:	May cause eye irritation.
Respiratory damage:	May cause respiratory irritation.
Ingestion overdose:	Not determined
Delayed, immediate, or chronic effects from short- and long-term exposure	Not determined
LD50	Not determined
Symptoms associated with exposure:	Not determined
Carcinogenicity:	
OSHA:	Not determined
NTP:	Not determined
IARC:	Not determined

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	Not determined
Chemical degradation:	Not determined
Biodegradation:	Not determined
Bioaccumulation potential	Not determined
Adsorption studies or leaching studies:	Not determined
Other adverse effects	Not determined

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	Not Regulated
UN number:	Not Required
UN proper shipping name:	Not Required
Transport hazard class(es):	Not Required
Packing group number:	Not Required
Environmental hazards:	Not Determined
Special precautions:	Not Determined

15. REGULATORY INFORMATION

Not determined

16. OTHER INFORMATION

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