



Aqua Chemical Supply, Inc.

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1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier: ASCORBIC ACID

Other means of identification

Recommended use and restriction on use

Recommended use: Not available.

Restrictions on use: Not known.

Manufacturer/Supplier/Distributor:

Univar Canada Ltd.

9800 Van Horne Way

Richmond, BC V6X 1W5

Emergency telephone number: For emergency assistance involving chemicals call
CHEMTREC day or night at: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Hazard classification

Label elements

Hazard symbol No symbol

Signal word Warning

Hazard statement May form combustible dust concentrations in air.

Precautionary statement

Prevention Use personal protective equipment as required.

Storage Store in a closed container. Store in a well-ventilated place. Store in a dry place.

Disposal Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
Ascorbic Acid		50-81-7	100%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments: The components are not hazardous or are below required disclosure limits.

4. FIRST AID MEASURES

Ingestion: Never give liquid to an unconscious person. Get medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped

Skin contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. FIRE FIGHTING MEASURES

General fire hazards: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use: Foam. Carbon dioxide or dry powder. Water spray.
 Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical:

Combustible solid. Dust cloud may be exploded by flame or spark.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: Powdered material may form explosive dust-air mixtures.

Special protective equipment for fire-fighters: Dust may form an explosive mixture in the atmosphere.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Methods and material for containment and cleaning up: Sweep or scoop up and remove.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid dust formation. Use only with adequate ventilation. Store away from incompatible materials.

Conditions for safe storage, including any incompatibilities:

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational exposure limits None of the components have assigned exposure limits.

Appropriate engineering controls Minimize dust generation and accumulation.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Eye/face protection: A - Safety Glasses

Skin protection

Hand protection: Wear chemical-resistant gloves. Contact glove manufacturer for specific information.

Other: Wear suitable protective clothing.

Respiratory protection: Dust mask. Avoid breathing dust.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid
 Form: No data available.
 Color: No data available.
 Odor: No data available.
 Odor threshold: No data available.
 pH: No data available.
 Melting point/freezing point: No data available.
 Initial boiling point and boiling range: 190 - 192 °C
 Flash Point: No data available.
 Evaporation rate: No data available.
 Flammability (solid, gas): No data available.
 Upper/lower limit on flammability or explosive limits
 Flammability limit - upper (%): No data available.
 Flammability limit - lower (%): No data available.
 Explosive limit - upper (%): No data available.
 Explosive limit - lower (%): No data available.
 Vapor pressure: No data available.
 Vapor density: No data available.
 Relative density: No data available.
 Solubility(ies)
 Solubility in water: No data available.
 Solubility (other): No data available.
 Partition coefficient (n-octanol/water): No data available.

Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
10. STABILITY AND REACTIVITY	
Reactivity:	No data available.
Chemical stability:	Stable
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Contact with air. Dust clouds may be explosive under certain conditions.
Incompatible materials:	Strong oxidizing agents. Strong bases. Oxidizers
Hazardous decomposition products:	No data available.
11. TOXICOLOGICAL INFORMATION	
Symptoms related to the physical, chemical and toxicological characteristics	
Ingestion:	No data available.
Inhalation:	No data available.
Skin contact:	No data available.
Eye contact:	No data available.
Information on toxicological effects	
Acute toxicity (list all possible routes of exposure)	
Oral	
Product:	No data available.
Dermal	
Product:	No data available.
Inhalation	
Product:	No data available.
Repeated dose toxicity	
Product:	No data available.
Skin corrosion/irritation	
Product:	No data available.
Serious eye damage/eye irritation	
Product:	No data available.
Respiratory or skin sensitization	
Product:	No data available.
Carcinogenicity	
Product:	No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:	
No carcinogenic components identified	
US. National Toxicology Program (NTP) Report on Carcinogens:	
No carcinogenic components identified	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):	
No carcinogenic components identified	
Germ cell mutagenicity	
In vitro	
Product:	No data available.
In vivo	
Product:	No data available.
Reproductive toxicity	
Product:	No data available.
Specific target organ toxicity - single exposure Product:	No data available.
Specific target organ toxicity - repeated exposure Product:	No data available.
Aspiration hazard Product:	No data available.
Other effects:	No data available.
12. ECOLOGICAL INFORMATION	
Ecotoxicity: Acute hazards to the aquatic environment:	
Fish Product:	No data available.
Aquatic invertebrates Product:	No data available.

Chronic hazards to the aquatic environment:		
Fish Product:	No data available.	
Aquatic invertebrates Product:	No data available.	
Toxicity to Aquatic Plants Product:	No data available.	
Persistence and degradability Biodegradation Product:	No data available.	
BOD/COD ratio Product:	No data available.	
Bioaccumulative potential Bioconcentration factor (BCF) Product:	No data available.	
Partition coefficient n-octanol / water (log Kow)		
Product:	No data available.	
Mobility in soil:	No data available.	
Known or predicted distribution to environmental compartments Ascorbic Acid	No data available.	

13. DISPOSAL CONSIDERATION

Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated packaging:	No data available

14. TRANSPORT INFORMATION

Not regulated for US DOT transport. Not regulated for IMDG transport.

15. REGULATORY INFORMATION

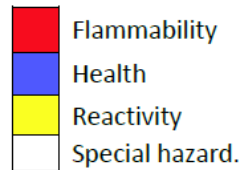
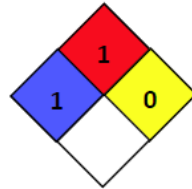
US federal regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) CERCLA Hazardous Substance List (40 CFR 302.4):
 Superfund amendments and reauthorization act of 1986 (SARA)
 Hazard categories
 Not listed.
 SARA 302 Extremely hazardous substance
 SARA 304 Emergency release notification
 SARA 311/312 Hazardous chemical
 Chemical identity Threshold Planning Quantity
 SARA 313 (TRI reporting)
 Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
 US state regulations
 US. California Proposition 65
 US. New Jersey Worker and Community Right-to-Know Act
 US. Massachusetts RTK - Substance List
 US. Pennsylvania RTK - Hazardous Substances
 US. Rhode Island RTK
 Inventory Status:
 Australia AICS: Not in compliance with the inventory.
 Canada DSL Inventory List: Not in compliance with the inventory.
 EU EINECS List: Not in compliance with the inventory.
 EU ELINCS List: Not in compliance with the inventory.
 Japan (ENCS) List: Not in compliance with the inventory.
 EU No Longer Polymers List: Not in compliance with the inventory.
 China Inv. Existing Chemical Substances: Not in compliance with the inventory.
 Korea Existing Chemicals Inv. (KECI): Not in compliance with the inventory.
 Canada NDSL Inventory: Not in compliance with the inventory.
 Philippines PICCS: Not in compliance with the inventory.
 US TSCA Inventory: Not in compliance with the inventory.
 New Zealand Inventory of Chemicals: Not in compliance with the inventory.
 Japan ISHL Listing: Not in compliance with the inventory.
 Japan Pharmacopoeia Listing: Not in compliance with the inventory

16. OTHER INFORMATION**HMIS Hazard ID**

Health	1
Flammability	1
Physical hazards	0
PERSONAL PROTECTION	B

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect

NFPA Hazard ID

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue date: 07/09/2015
Revision date: No data available.
Version #: 1.1
Further information: No data available.

Notice

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Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from your local Aqua Chemical Supply, Inc. sales office.

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