



Printing date 31.05.2018

## Safety Data Sheet

according to WHS Regulations

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### 1 Identification

**Product Name:** ASCORBIC ACID

**Recommended Use of the Chemical and Restriction on Use:**

Use according to manufacturer's directions. Stain remover.

**Details of Manufacturer or Importer:**

The POPS Group Pty Ltd as Trustee for The Pool Shops Trust  
10-12 Cairns Street  
Loganholme QLD 4129

**Phone Number:**

07 3209 7884

1800 143 788

**Emergency telephone number:**

1800 033 111

+61 3 9663 2130 International

### 2 Hazard(s) Identification

**Hazardous Nature:**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).

**Signal Word** Void

**Hazard Statements** Void

### 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

CAS: 50-81-7	Ascorbic acid	≥99%
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### 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

**Skin Contact:**

Remove contaminated clothing and wash affected areas with soap and water. Do not use solvents. Seek medical attention if symptoms persist. Launder clothing before reuse.

**Eye Contact:**

In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

**Ingestion:**

If swallowed, do NOT induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: Breathing in dust may result in respiratory irritation.

Skin Contact: Contact with skin may result in irritation, particularly in conjunction with humidity.

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Eye Contact: Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Ingestion: No adverse effects expected, however, large amounts may cause nausea and vomiting.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

**Specific Hazards Arising from the Chemical:**

On burning will emit toxic fumes, including those of oxides of carbon.

Combustible solid. Slightly flammable to flammable in presence of open flames and sparks, of heat. Slightly explosive in presence of open flames and sparks. As with most powdered organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation. Do not breathe dust. Product may be slippery when spilt.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and contain spill. Vacuum or wet sweep spilled material and place in an appropriate container for disposal. Avoid generating dust.

### 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from high humidity, heat, sparks, open flames, hot surfaces and direct sunlight. Keep away from oxidising agents, bases, metals and metal salts.

Suitable container materials: Stainless steel, coated steel, glass, polyethylene and polypropylene.

Unsuitable container materials: Aluminium, copper, zinc and iron.

### 8 Exposure Controls and Personal Protection

**Exposure Standards:** Rouge dust: TWA - 10mg/m<sup>3</sup>

**Engineering Controls:**

Local exhaust ventilation is recommended when dusts can be released in excess of established airborne exposure limits.

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**Respiratory Protection:**

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Protective gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Solid. Crystalline powder
<b>Colour:</b>	White to yellowish
<b>Odour:</b>	Almost odourless. Pleasant acidic taste.
<b>Odour Threshold:</b>	No information available
<b>pH-Value at 20 °C:</b>	3 (0.5% solution)
<b>Melting point/freezing point:</b>	190 °C
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	May be combustible at high temperature.
<b>Auto-ignition Temperature:</b>	660 °C
<b>Decomposition Temperature:</b>	190 °C
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure at 20 °C:</b>	<0.001 hPa
<b>Density at 20 °C:</b>	0.95 g/cm <sup>3</sup>
<b>Relative Density:</b>	No information available
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water at 20 °C:</b>	176 g/l
	Completely soluble
<b>Partition Coefficient (n-octanol/water):</b>	No information available

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** High humidity, heat, sparks, open flames, hot surfaces and direct sunlight.

**Incompatible Materials:** Oxidising agents, bases, metals and metal salts.

**Hazardous Decomposition Products:** On burning will emit toxic fumes, including those of oxides of carbon.

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## 11 Toxicological Information

**Toxicity:****LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:****CAS: 50-81-7 Ascorbic acid**

Oral	LD <sub>50</sub>	11900 mg/kg (rat)
		3367 mg/kg (mouse)

**Acute Health Effects****Inhalation:** Breathing in dust may result in respiratory irritation.**Skin:** Contact with skin may result in irritation, particularly in conjunction with humidity.**Eye:**

Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

**Ingestion:** No adverse effects expected, however, large amounts may cause nausea and vomiting.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Prolonged or repeated ingestion may affect the blood/bone marrow and metabolism. May also affect behaviour.

**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data.

## 12 Ecological Information

**Ecotoxicity:** Avoid contaminating waterways.**Aquatic toxicity:****CAS: 50-81-7 Ascorbic acid**

LC <sub>50</sub> /96 h	1,020 mg/l (rainbow trout)
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**Persistence and Degradability:** Easily biodegradable.**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** Product is soluble in water and so is expected to be mobile in soil.

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**Other adverse effects:** No further relevant information available.

### 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

### 14 Transport Information

**UN Number** Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

### 15 Regulatory Information

**Australian Inventory of Chemical Substances:**

CAS: 50-81-7 Ascorbic acid

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Not Scheduled.

### 16 Other Information

**Date of Preparation or Last Revision:** 31.05.2018**Last Revision of MSDS:** Rev 1.1 (16/06/2008)**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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