

MATERIAL SAFETY DATA SHEET



**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

Product Name: AC- α -Arbutin

Synonyms: 4-Hydroquinone-alpha-D-glucopyranoside

INCI Name: Alpha-Arbutin

Chemical formula: C₁₂H₁₆O₇

Company Identification: SOHO ANECO chemicals, co. limited

No.48 Ruanjian Avenue, Nanjing 210012, China.

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**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

Components	CAS#	Solid content %
Alpha-Arbutin	84380-01-8	>99%

Toxicological Data on Ingredients: Not applicable.

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

The toxicological properties of this material have not been fully investigated.

Target Organs: No data found.

Potential Health Effects

Eye: None identified.

Skin: None identified.

Inhalation: None identified.

Ingestion: Harmful by acute oral exposure.

Signs and Symptoms: Not indicated.

Cancer: No data available.

Target Organs: No data available.

Developmental: No data available.

Pre-existing Medical Conditions: None known.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes: Immediately flush eyes with plenty of water and seek medical attention if irritation develops.

Skin: Immediately wash affected area with soap and water. Seek medical attention if irritation develops.

Ingestion: Drink fluids to dilute. Seek medical attention.

Inhalation: Remove victim to fresh air. Seek medical attention if symptoms occur.

Notes to Physician: Treat symptomatically and supportively.

****** SECTION 5 - FIRE FIGHTING MEASURES ******

Flash Point: Not applicable.

Extinguishing Media: Water, carbon dioxide, foam, dry powder.

Fire Fighting Procedures: No special precaution and measures necessary. The substance will burn if involved in a fire, evolving noxious fumes e.g. carbon oxides.

****** SECTION 6 - ACCIDENTAL RELEASE MEASURES ******

Personal Precautions: Evacuate personnel from immediate vicinity. Wear eye protection (e.g. goggles), chemical resistant gloves, protective clothing (e.g. an impervious apron) and a dust mask conforming to standard EN149 FFP1.

Environmental Precautions: Avoid release to drains.

Cleanup Procedure: Absorb spillage with a suitable inert material (e.g. sand or soil). Transfer the spillage to waste containers labeled in the same way as the original containers. Clean the spillage area with water and detergent.

****** SECTION 7 - HANDLING and STORAGE ******

Handling:

Substance should be handled under conditions of good industrial hygiene and in conformity with any local regulations in order to avoid unnecessary exposure.

Storage:

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use.

Other Precautions: Engineering controls such as LEV are necessary to reduce exposure to the substance.

****** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ******

Respiratory Protection: Based upon current information and in the absence of occupational exposure limits the use of a dust mask to a minimum standard of EN149 FFP 1S is recommended.

Protective Clothing: Chemical protective gloves to a Standard EN 374 should be provided. Usage periods should not exceed the breakthrough times for the chemical stated by the manufacturer of the glove.

Eye protection should be used when handling the substance. Protection should be capable of giving chemical protection as classified in EN166. Handling of the material should be done wearing chemical protective clothing suitable for protection against the chemical as classified by Standard EN368.

Other Protective Measures: Engineering controls such as LEV are recommended to reduce exposure to the substance.

****** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ******

Appearance:	White powder
Odor:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Evaporation Rate:	Negligible.
Viscosity:	Not available.
Boiling Point:	Not available.
Melting Point:	203.0°C-206.0±1°C
Decomposition Temperature:	Not available.
Solubility in water:	151g/l at 20°C (pH of solution 5.8)
Specific Gravity/Density:	Not available.

****** SECTION 10 - STABILITY AND REACTIVITY ******

Chemical Stability: Unstable.

Conditions to Avoid: High temperatures.

Incompatibilities with Other Materials:

Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Hazardous Polymerization: Has not been reported.

****** SECTION 11 - TOXICOLOGICAL INFORMATION ******

The substance is harmful by acute oral exposure. Rat LD50 is between 300 and 500mg/kg. The substance is not irritation to rabbit skin or eyes. The substance is not a skin sensitizer (1/10 sensitized) in a Magnusson and Kligman maximization study in the guinea pig. An Ames test was negative. The test material, at a maximum concentration of 10% w/w produced no evidence of photo toxicity or photo allergenicity. The test material, in a fourteen day repeat application dermal irritation study in the guinea pig, produced a maximum Weekly Mean Irritation Index of 0.03 and was considered to be practically non-irritant to guinea pig skin under the conditions of the test.

****** SECTION 12 - ECOLOGICAL INFORMATION******

Ecotoxicity: Not available

BOD5 and COD: Not available

Products of Biodegradation:

Possibly hazardous short/long term degradation products are to be expected.

Toxicity of the products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

****** SECTION 13 - DISPOSAL CONSIDERATIONS ******

Dispose of by incineration or landfill in accordance with local regulations. Stack gases should be scrubbed.

****** SECTION 14 - TRANSPORT INFORMATION ******

DOT Shipping Name: not regulated.

ADR/RIC Code: not regulated.

Sea Transport IMDG Code: not regulated.

Air Transport IATA: not regulated.

****** SECTION 15 - REGULATORY INFORMATION ******

United States Regulatory Information

SARA LISTED: No.

EU-Labeling Name

Not listed. (The product does not need to be labeled in accordance with EC Directive 67/548/EEC or Directive 1999/45/EC or respective national laws)

****** SECTION 16 - ADDITIONAL INFORMATION ******

MSDS Creation Date: 8/11/2014

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.