

**SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006

Version 2.0 Revision Date 04.15.2018

**Safety Data Sheet  
Ascorbyl Glucoside****Section 1: Identification of the Substance/Preparation and of the Company/Undertaking****1.1 Identification of the substance or preparation**

- Product Name** : Ascorbyl Glucoside
- INCI Name** : Ascorbyl Glucoside
- Product Number** : C02015B
- REACH No.** : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
- CAS#** : 129499-78-1

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Antioxidant and skin whitening in cosmetics.; Manufacture of substances.

**1.3 Company/undertaking identification****M.C.Biotec Inc.**

47-505, Demin, Nantong 226007, China

Tel: 0086-513-55087220 Fax: 0086-10-80115555 ext 441505

[mc@mcbiotec.com](mailto:mc@mcbiotec.com) [www.mcbiotec.com](http://www.mcbiotec.com)

**1.4 Emergency telephone number**

Emergency Phone # : +86-139-13923033

**Section 2: Hazards Identification****2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC or 1999/45/EC.

**2.2 Label elements**

The product does not need to be labelled in accordance with EC directives or respective national laws.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Section 3: Composition and Information on Ingredients**
**3.1 Substances**

**Synonyms** Ascorbyl Glucoside  
L-Ascorbic acid 2-O-alpha-glucoside  
Ascorbic acid 2-O-glucoside

**Formula** C12H18O11

**Molecular Weight** 338.26 g/mol

**CAS-No.** : 129499-78-1

No components need to be disclosed according to the applicable regulations.

**Section 4: First Aid Measures**
**4.1 Description of first aid measures**

**If inhaled** : If breathed in, move person into fresh air. If not breathing give artificial respiration  
**In case of skin contact** : Wash off with soap and plenty of water.  
**In case of eye contact** : Flush eyes with water as a precaution.  
**If swallowed** : Never give anything by mouth to an unconscious person. Rinse mouth with water.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

**Section 5: Fire Fighting Measures**
**5.1 Extinguishing media**
**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Carbon oxides

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

No data available

**Section 6: Accidental Release Measures**
**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapours, mist or gas.  
For personal protection see section 8.

**6.2 Environmental precautions**

- Do not let product enter drains.
- 6.3 **Methods and materials for containment and cleaning up**  
Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 **Reference to other sections**  
For disposal see section 13.

### Section 7: Handling and Storage

- 7.1 **Precautions for safe handling**  
Provide appropriate exhaust ventilation at places where dust is formed.  
For precautions see section 2.2.
- 7.2 **Conditions for safe storage, including any incompatibilities**  
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- 7.3 **Specific end use(s)**  
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

### Section 8: Exposure Controls/Personal Protection

- 8.1 **Control parameters**  
**Components with workplace control parameters**  
Contains no substances with occupational exposure limit values.
- 8.2 **Exposure controls**  
**Appropriate engineering controls**  
General industrial hygiene practice.
- Personal protective equipment**  
**Eye/face protection**  
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin protection**  
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.  
Wash and dry hands.  
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
- Body Protection**  
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Respiratory protection**

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

No special environmental precautions required.

**Section 9: Physical and Chemical Properties**

**9.1 Information on basic physical and chemical properties**

a) Appearance	Form: solid Colour: white
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	Melting point/range: 158 - 163 °C
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: noctanol/water	no data available
p) Autoignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

**9.2 Other safety information**

no data available

**Section 10: Stability and Reactivity**

**10.1 Reactivity**

no data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

no data available

**10.4 Conditions to avoid**

no data available

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

Other decomposition products - no data available

In the event of fire: see section 5

**Section 11: Toxicological Information**

**11.1 Information on toxicological effects**

**Acute toxicity**

no data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Section 12: Ecological Information**

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

No data available

**Section 13: Disposal Considerations**

**13.1 Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information**

**14.1 UN number**

ADR/RID: -

IMDG: -

IATA: -

**14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

14.4	<b>Packaging group</b>	ADR/RID: - IMDG: -	IATA: -
14.5	<b>Environmental hazards</b>	ADR/RID: - IMDG: -	IATA: -
14.6	<b>Special precautions for user</b>	ADR/RID: no IMDG Marine pollutant: no	IATA: no
		no data available	
<b>Section 15: Regulatory Information</b>			
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.		
15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	No data available	
15.2	<b>Chemical Safety Assessment</b>	For this product a chemical safety assessment was not carried out	
<b>Section 16: Other Information</b>			
	<b>Further information</b>		
	<p><i>The information above is based on our present knowledge. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. Users should make their own investigations to determine the suitability of the information for their particular purposes.</i></p>		