西安绿天生物技术有限公司
Plamed Green Science Group

# MATERIAL SAFETY DATA SHEET

## Section1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

**Product name:** Ascorbic Acid 2-Glucoside
**CAS-No.:** 129499-78-1

| | |
|---|---|
| **Product Name** | Ascorbic Acid 2-Glucoside |
| **Manufacturer/Supplier** | Plamed Green Science Group |
| **Address** | 69# Jinye Rd., High-Tech Zone, Xi'an, P. R. China. |
| **Phone Number** | + 86-29-88215350 |

## Section 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
The toxicological properties of this material have not been fully investigated.
Potential Health Effects
Eye:
May cause eye irritation.
Skin:
May cause skin irritation.
Ingestion:
May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.
Inhalation:
May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.
Chronic:
No information found.

## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS# | Chemical Name | Content | Chemical Formula |
|---|---|---|---|
| 129499-78-1 | 2-O-α-D-Glucopyranosyl-L-ascorbic Acid | 98% | $C_{12}H_{18}O_{11}$ |

Hazard Symbols: None Listed.
Risk Phrases: None Listed.

## Section 4. FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion:
Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce

vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation:
Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:

**Section 5. FIREFIGHTING MEASURES**
General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media:
Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Section 6. ACCIDENTAL RELEASE MEASURES**
General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:
Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Provide ventilation.

**Section 7. HANDLING AND STORAGE**
Handling:
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use only in a chemical fume hood.
Storage:
Store in a cool, dry place. Store in a tightly closed container.

**Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
Engineering controls: Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.
Personal protective equipment
Respiratory protection: Dust respirator. Follow local and national regulations.
Protective gloves.
Hand protection:
Eye protection: Safety glasses. A face-shield, if the situation requires.
Skin and body protection: Protective clothing. Protective boots, if the situation requires.

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**
Physical state (20 ℃): Solid
Form: Crystal- Powder
Colour: White - Almost white
Odour: No data available

pH: No data available
Melting point/freezing point:160 ℃
Boiling point/range: No data available
Flash point: No data available
Flammability or explosive limits:
Lower: No data available
Upper: No data available
Relative density: No data available
Solubility(ies):
[Water] Very soluble (125g/100mL, 25 ℃)
[Other solvents] No data available

**Section 10. STABILITY AND REACTIVITY**
Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials, strong oxidants.
Incompatibilities with Other Materials:
Oxidizing agents.
Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide, acrid smoke and fumes.
Hazardous Polymerization: Has not been reported.

**Section 11. TOXICOLOGICAL INFORMATION**
Acute Toxicity: No data available
Skin corrosion/irritation: No data available
Serious eye No data available
damage/irritation:
Germ cell mutagenicity: No data available
Carcinogenicity:
IARC=No data available
NTP =No data available
Reproductive toxicity: No data available

**Section 12. ECOLOGICAL INFORMATION**
Ecotoxicity:
Fish: No data available
No data available
Crustacea:
Algae: No data available
Persistence / degradability: No data available
Bioaccumulative: No data available
potential(BCF):

Mobility in soil
Log Pow: No data available
Soil adsorption (Koc): No data available
No data available
Henry's Law
constant(PaM3/mol):

**Section 13. DISPOSAL CONSIDERATIONS**
Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.
Observe all federal, state and local regulations when disposing of the substance.

**Section 14. TRANSPORT INFORMATION**
IATA
Not regulated as a hazardous material.
IMO
Not regulated as a hazardous material.
RID/ADR
Not regulated as a hazardous material.

**Section15. REGULATORY INFORMATION**
Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002 and revised on February 16,2011): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.
2-O-α-D-Glucopyranosyl-L-ascorbic Acid

**Section 16. OTHER INFORMATION**
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Plamed shall not be held liable for any damage resulting from handling or from contact with the above product. See and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.
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