

Material safety data sheet SDS
According to EU Regulation 1907/2006 in the current version
Ascorbyl Glucoside

1. Identification of the substance/mixture and company

Product name: Ascorbyl Glucoside
INCI: Ascorbyl Glucoside
Uses: Raw material for cosmetics
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.com
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture
Not classified according to the Regulation (EC) No. 1272/2008.

2.2 Label elements
None.

2.3. Other hazards
None. Not identified as PBT or vPvB according to the Annex XIII of the Regulation (EC) No. 1907/2006 as amended.

3. Declaration of ingredients

3.1 Substances
2-O- α -D-glucopyranosyl-L-ascorbic acid
CAS No.: 129499-78-1
EC No.: 425-980-0
Formula: C₁₂H₁₈O₁₁
Composition: 100%

3.2 Mixtures
none

4. First aid measures

4.1 Description of first aid measures
Eye contact: Flush eyes gently with water for at least 15 minutes while holding eyelids apart: seek immediately medical attention.

Skin contact: Wash off with soap and plenty of water.

Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

Ascorbyl Glucoside

Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quit; seek immediately medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Fire fighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide (CO₂).

5.2 Special hazards arising from the substance or mixture

Fire may produce: carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Keep in suitable, closed containers for disposal.

7. Handling and storage

7.1 Precautions for safe handling

Use with adequate ventilation. Handle in accordance with good industrial hygiene and safety practice

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Temperature between 10 and 25°C is fine.

Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

Ascorbyl Glucoside

Keep container tightly closed in a dry and well-ventilated place.
Light sensitive. Hygroscopic

7.3 Specific end use(s)
No data available

8. Exposure controls / personal protection

8.1 Control parameters
No data available

8.2 Exposure controls
Respiratory protection: In the absence of adequate ventilation, a respirator, appropriate for the specific workplace conditions, is recommended.

Eye protection: Wear chemical resistant goggles and/or face shield.

Hand protection: Wear suitable gloves.

Skin and body protection: Wear adequate work wear.

Hygiene measures: General industrial hygiene practice.

Specific engineering controls: Use mechanical exhaust or laboratory fume hood to avoid exposure.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: white to cream white powder
pH: 2.0 – 2.5 (1% w/v)
Melting point: 158-163°C
Boiling point: no data available
Flash point: no data available
Vapor pressure: 1.1×10^{-10} Pa at 25°C
Ignition temperature: no data available
Explosion limits, lower: data not available
Explosion limits, upper: data not available
Water solubility: soluble

9.2 Other information: No additional information available.

Material safety data sheet SDS
According to EU Regulation 1907/2006 in the current version
Ascorbyl Glucoside

10. Stability and reactivity

10.1 Reactivity

No unusual reactivity.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Contact with incompatible materials.

10.5 Incompatible materials

Not known

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

11. Toxicological information

Acute toxicity: >2,000 mg/kg (by oral administration), > 2,000 mg/kg (by dermal administration)

Subacute Toxicity: NOAEL > 1,000 mg/kg (28-day oral administration to rat)

Skin corrosion/irritation: no data available

Serious eye damage/irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: no data available

Reproductive toxicity: no data available

Teratogenicity: no data available

STOT-SE: no data available

STOT-RE: no data available

Aspiration hazard: no data available

12. Ecological information

12.1 Toxicity: no data available

12.2 Persistence and degradability: no data available

12.3 Bioaccumulative potential: no data available

Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

Ascorbyl Glucoside

12.4 Mobility in soil: no data available
12.5 Results of PBT and vPvB assessment: no data available
12.6 Endocrine disrupting properties: no data available
12.7 Other adverse effects: highly hazardous to water (water hazard class 3 - without published classification) according to EC Directive 1907/2006 (REACH)

13. Disposal considerations

Waste treatment methods: Waste must be disposed in accordance with local, regional and national environmental regulations.

Contaminated packaging: Dispose of as unused product.

14. Transport information

Land transport (ADR/RID)

- 14.1. UN number: No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
- 14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

- 14.1. UN number: No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
- 14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

- 14.1. UN number: No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
- 14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number: No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
- 14.4. Packing group: No dangerous good in sense of this transport regulation.
- 14.5. Environmental hazards: ENVIRONMENTALLY HAZARDOUS:
- No 14.6. Special precautions for user: No dangerous good in sense of this transport regulation.

Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

Ascorbyl Glucoside

14.7. Maritime transport in bulk according to IMO instruments: No dangerous good in sense of this transport regulation.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 (CLP/EU-GHS)

Regulation (EC) No. 1223/2009 (Cosmetic Regulation)

EU regulatory information: 2004/42/EC (VOC): 0 %

Information acc. to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III).

National regulatory information:

Water hazard class (D): 3 highly hazardous to water (without published classification)

15.2 Chemical safety assessment:

For this substance a chemical safety assessment has not been carried out. according to EC Directive 1907/2006 (REACH)

16. Additional information

16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quanti-tative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No

Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

Ascorbyl Glucoside

1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Re-restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.