

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

VITAMIN C ASCORBIC**1. Identification of the substance/mixture and company**

Trade name: Vitamin C Ascorbic
I.N.C.I. Ascorbic acid
CAS No.: 50-81-7
EINECS No.: 200-066-2
REACH pre-registration No.: /
Utilization: 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**

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the Exposure may produce an allergic reaction

3. Declaration of ingredients

The product contains the following ingredients:

Substance	C.A.S.	Classification according to Regulation (EC) No.1272/2008 [CLP]	Percent %
Vitamin C (Ascorbic Acid)	50-81-7	Nor classified	100 %

4. First aid measures**4.1 Description of first aid measures**

First-aid measures after inhalation : Move to fresh air.

First-aid measures after skin contact : Rinse with water.

First-aid measures after eye contact : Rinse eyes with water as a precaution

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

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

VITAMIN C ASCORBIC

Symptoms/injuries : None known.

4.3. Indication of any immediate medical attention and special treatment needed
In all cases of doubt, or when symptoms persist, seek medical attention.

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Carbon dioxide. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Reactivity : Stable under normal conditions.

5.3. Advice for firefighters

Precautionary measures fire : Small amounts: Use normal individual fire protective equipment. Large amounts: Not applicable .Firefighting instructions : Dilute with water

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid raising dust. Wear suitable protective clothing, gloves and eye or face protection. Avoid all unnecessary exposure.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Ensure waste is collected and contained. Clean thoroughly. Clean with water. Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.4. Reference to other sections

No additional information available

7. Handling and storage

7.1. Precautions for safe handling

Avoid all unnecessary exposure.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : To guarantee the quality and properties of the product, keep : Store in a non-metallic container, protected from light.

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

VITAMIN C ASCORBIC

Incompatible products : Strong oxidizing agents

8. Exposure controls / personal protection

8.1 Control parameters

There are no specific control parameters.

8.2 Exposure controls

General recommended measures

Hand protection: Protect hands with category I work gloves (ref. Directive 89/686 / EEC and standard EN 374) such as latex, PVC or equivalent.

Skin protection: Wear work clothes with long sleeves and safety footwear for professional use of category I (ref. Directive 89/686 / EEC and standard EN 344). Wash with soap and water after removing protective clothing.

Respiratory protection: Dust mask with filter.

Eye protection: it is recommended to wear airtight protective goggles (ref. Standard EN 166).

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: crystalline powder

Color: off-white

Odor: almost odorless

Relative density (d 20 / 20): NA

Refractive index at 20°C: NA

Flash point: Not applicable

Odor threshold: NA

pH: 2.1 – 2.7

Melting point: about 190°C

Initial boiling point and boiling range: NA

Flash point: NA

Evaporation rate: NA

Flammability (solid, gas): NA

Upper / lower flammability or explosive limits: NA

Vapor tension: NA

Vapor density: NA

Solubility in water: soluble

Partition coefficient: n-octanol / water NA

Auto-ignition temperature: NA

Decomposition temperature: NA

Viscosity: NA

Explosive properties: NA

Oxidizing properties: NA

9.2 Other information

No additional information available

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

VITAMIN C ASCORBIC

10. Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Small amounts: None known. Large amounts: Not applicable.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Small amounts: None under normal use. Large amounts: Not applicable.

10.6. Hazardous decomposition products

When heated to decomposition, emits dangerous fumes.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 oral rat: 11900 mg/kg

Skin corrosion/irritation: Not classified, pH: 2.1 -2.6 (5%)

Serious eye damage/irritation: Not classified, pH: 2.1 -2.6 (5%)

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard: Not classified

Potential Adverse human health effects and symptoms: To our knowledge, the product does not present any particular risk, under normal conditions of use

12. Ecological information

12.1. Toxicity

Ecology - general : Small amounts: Presents no specific risk for the environment. Large amounts: Not applicable.

Ecology - water : Soluble in water.

12.2. Persistence and degradability

No additional information available

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

VITAMIN C ASCORBIC

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

13. Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

Waste disposal recommendations : Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

14. Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

No dangerous good in sense of transport regulations

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

VITAMIN C ASCORBIC

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

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

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

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.