

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCMI-005

Trade name: L-Ascorbic acid sodium salt

6.0

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Revision date: 31.10.2019



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifiers

Product Name: L-Ascorbic acid sodium salt

Formal Name: Ascorbic acid sodium salt

Product Number: BCMI-005

CAS-Nr.: 134-03-2

Index No.: not available

EC No: 205-126-1

REACH No: 01-2119953729-21-0000

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

Identified uses:

Laboratory chemical, for research and development only

1.3. Details of the supplier of the safety data sheet

baseclick GmbH

Floriansbogen 2-4

82061 Neuried

Germany

Telephone: +49 89 9699 3401

Fax: +49 9699 4696

E-mail: support@baseclick.eu

1.4. Emergency telephone number

+49 89 9699 3401 (Working days Germany 09:00 AM – 05:00 PM CET)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2. Label elements

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

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

not required

2.3. Other hazards

No data available

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SECTION 3: Composition/information on ingredients

3.1 Substance(s)

Synonyms : L(+)-Ascorbic acid sodium salt

Vitamin C sodium salt

Formula : $C_6H_7NaO_6$

Molecular Weight : 198,11 g/mol

Apperance: white to slightly yellow crystals

CAS-No. 134-03-2

EC-No 205-126-1

Shelf life: 12 months

Purity: 99 % (iodometric)

3.2 Mixtures

not relevant

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Avoid all direct contact.

In case of contamination always contact physician.

If inhaled:

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 thoroughly with water.

If swallowed:

Contact physician.

Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.

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

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SECTION 5: Firefighting 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

Hazardous combustion products:

Carbon oxides, Sodium oxides

5.3 Advice for fire-fighters

Use material suitable and appropriate to surrounding fire conditions.

Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2 Environmental precautions

Take precautions to ensure product does not enter the drainage system.

6.3 Methods and material for containment and cleaning up

Take up under dust avoidance. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

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

Further information about storage conditions: 2 - 8 °C, dry

Light sensitive.

7.3 Specific end use(s)

No data available.

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SECTION 8: Exposure controls/personal protection Handling and storage

8.1 Control parameters

Additional information about design of technical facilities: No further requirements.

Ingredients with limit values that require monitoring in the workplace: No ingredients need monitoring.

8.2 Exposure controls



Personal protective equipment

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: For prolonged or repeated contact use protective gloves.

Eye protection: Safety glasses

Hygiene measures: General industrial hygiene practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: crystalline

Colour: colourless

Odour: No data available

Odour threshold: No data available

pH (value): 7 - 8 (100 g/l, 20 °C)

Melting point/freezing point: Melting point: 220 °C

Initial boiling point and boiling range: ca.233 °C - OECD Test Guideline 103

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): May form combustible dust concentrations in air.

lower explosion limit (LEL): No data available

upper explosion limit (UEL): No data available

Explosion limits of dust clouds: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: No data available

Water solubility (20 °C): 642,6 g/l - OECD Test Guideline 105

Partition coefficient: n-octanol/water: <-4,2 (pH-Wert: 6,6, 21,9 °C) (ECHA)

Auto-ignition temperature: >270 °C

Decomposition temperature: No data available

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Viscosity, flow time (23 °C): No data available

Viscosity, dynamic (mPas / 20 °C): No data available

Explosive properties: No data available

Oxidizing properties: No data available

9.2 Other information:

Surface tension 74 mN/m at 20,3 °C

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

strong reaction with strong oxidizing agents

10.4 Conditions to avoid

Light

10.5 Incompatible materials

Strong oxidizing agents, Strong bases

10.6 Hazardous decomposition products

Dangerous decomposition: Carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

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.

Signs and Symptoms of Exposure

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

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Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

Additional Information

RTECS: CI7671000

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - > 74 mg/l - 72 h (OECD Test Guideline 201)

12.2 Process of degradability

Biodegradability aerobic - Exposure time 28 d

Result: > 99 % - Readily biodegradable (OECD Test Guideline 301A)

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:

Consult the appropriate local waste disposal expert about waste disposal.

Contaminated packaging:

see Product

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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)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

14.6 Special precautions for user

No data available

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

Not relevant

SECTION 15: Regulatory information

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

WGK 1

LGK 11

Labelling according to EC Directives

Further information:

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

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15.2 Chemical Safety Assessment

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: Other information

16.1 Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. It does not represent any guarantee of the accuracy, completeness or properties of the product. This material is intended for use by persons with pertinent technical skills and at their discretion and risk. It is the responsibility of the user to determine the product's suitability for its intended use, the product's safe use, and the product's proper disposal. Disposal of hazardous material may be subject to local laws or regulations. Baseclick GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. Not for drug use! For R&D only!