

Trade name: Sodium ascorbate Food Grade**Product no.:** SPCA01**Current version :** 2.0.0, issued: 05.10.2020**Replaced version:** 1.0.0, issued: 05.10.2020**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Sodium ascorbate Food Grade**

Substance name sodium-ascorbate

Identification numbers

CAS no. 134-03-2

EC no. 205-126-1

1.2 Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses of the substance or mixture**raw material
anti-oxidant for foodstuff**Uses advised against**

No data available.

1.3 Details of the supplier of the safety data sheet**Address**NHU EUROPE GmbH
Daimlerstrasse 14-16
D-21357 Bardowick

Telephone no. +49-4131-58088-00

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Information provided by / telephone

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Advice on Safety Data Sheet

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1.4 Emergency telephone numberFor medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Not relevant

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances****Chemical characterization**

Substance name sodium-ascorbate

Degree of purity 99-100 %

Formula C₆H₇NaO₆

Molecular weight 198.11

Identification numbers

CAS no. 134-03-2

EC no. 205-126-1

3.2 Mixtures

Not applicable. The product is not a mixture.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Change contaminated, saturated clothing.

After inhalation

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Remove affected person from the immediate area. Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

After skin contact

Wash off with soap and water. Get medical attention if pain still persists. Don't use solvents.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical advice.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide; Foam; Extinguishing powder; Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: carbon oxides (COx); Danger of dust explosion when in powder form.

5.3 Advice for firefighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Wear full protective suit. Suppress gases/vapours/mists with water spray jet.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid dust formation. Keep away from ignition sources.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically. When collected, handle material as described under the section heading "Disposal considerations". Avoid raising dust. Clean contaminated surfaces thoroughly with water.

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

No special measures necessary if stored and handled as prescribed. Avoid the formation and deposition of dust. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale dust. Have emergency shower available.

Advice on protection against fire and explosion

The product is capable of a dust explosion. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Avoid formation of dust.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from light. Protect against humidity; Protect from exposure to air/oxygen.

Recommended storage temperature

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| | | |
|--------------------------|-------------------------------|--------|
| Value | 20 | °C |
| Storage stability | | |
| Value | 24 | months |
| Comments | In sealed original container. | |

Requirements for storage rooms and vessels

Store product in closed containers.

Appropriate Material polyethylene; glass; stainless steel; polypropylene; enamel
 Inappropriate material Metal

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

| No | Substance name | CAS no. | EC no. |
|----|---|--------------------------|-------------------|
| 1 | Dust | | |
| | List of approved workplace exposure limits (WELs) / EH40 | | |
| | Dust respirable | | |
| | WEL long-term (8-hr TWA reference period) | 4 | mg/m ³ |
| | Comments | see Definition 44 "Dust" | |
| | List of approved workplace exposure limits (WELs) / EH40 | | |
| | Dust inhalable | | |
| | WEL long-term (8-hr TWA reference period) | 10 | mg/m ³ |
| | Comments | see Definition 44 "Dust" | |

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. This should be achieved by the use of local exhaust ventilation and good general extraction.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. Dust mask

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

| | |
|--------------------------------------|---------------|
| Form/Colour | |
| crystalline powder; cristals | |
| white to yellowish | |
| Odour | |
| virtually odourless | |
| Odour threshold | |
| No data available | |
| pH value | |
| Value | 6.5 - 8.0 |
| Source | supplier |
| Comments | 10 % in water |
| Boiling point / boiling range | |

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| |
|--|
| No data available |
| Melting point / melting range |
| No data available |
| Decomposition point / decomposition range |
| No data available |
| Flash point |
| Not applicable |
| Source |
| supplier |
| Auto-ignition temperature |
| No data available |
| Oxidising properties |
| No data available |
| Explosive properties |
| Dust explosive. |
| Flammability (solid, gas) |
| No data available |
| Lower flammability or explosive limits |
| No data available |
| Upper flammability or explosive limits |
| No data available |
| Vapour pressure |
| No data available |
| Vapour density |
| No data available |
| Evaporation rate |
| No data available |
| Relative density |
| No data available |
| Density |
| Value |
| supplier 1.799 g/cm ³ |
| Source |
| supplier |
| Solubility in water |
| Value |
| ~ 620 g/L |
| Reference temperature |
| 20 °C |
| Source |
| supplier |
| Solubility(ies) |
| No data available |
| Partition coefficient: n-octanol/water |
| No data available |
| Viscosity |
| No data available |

9.2 Other information

| |
|--|
| Other information |
| loss on ignition: <= 0.2 % |
| specific optical rotation: +103° - +106° |

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions. danger of dust explosion.

10.4 Conditions to avoid

Heat; Moisture. Avoid raising dust.

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10.5 Incompatible materials

Oxidizing agents; atmospheric oxygen; Metals; Metal salts; Bases

10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

| | |
|--|----------|
| Acute oral toxicity | |
| No data available | |
| Acute dermal toxicity | |
| No data available | |
| Acute inhalational toxicity | |
| No data available | |
| Skin corrosion/irritation | |
| No data available | |
| Serious eye damage/irritation | |
| No data available | |
| Respiratory or skin sensitisation | |
| No data available | |
| Germ cell mutagenicity | |
| Source | supplier |
| Evaluation | negative |
| Reproduction toxicity | |
| Source | supplier |
| Evaluation | negativ |
| Carcinogenicity | |
| Source | supplier |
| Evaluation | negative |
| STOT - single exposure | |
| No data available | |
| STOT - repeated exposure | |
| No data available | |
| Aspiration hazard | |
| No data available | |

SECTION 12: Ecological information

12.1 Toxicity

| | |
|--------------------------------------|--|
| Toxicity to fish (acute) | |
| No data available | |
| Toxicity to fish (chronic) | |
| No data available | |
| Toxicity to Daphnia (acute) | |
| No data available | |
| Toxicity to Daphnia (chronic) | |
| No data available | |
| Toxicity to algae (acute) | |
| No data available | |
| Toxicity to algae (chronic) | |
| No data available | |
| Bacteria toxicity | |
| No data available | |

12.2 Persistence and degradability

| | |
|-------------------------|--------------------------|
| Biodegradability | |
| Source | supplier |
| Evaluation | inherently biodegradable |

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No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information**Other information**

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

dispose of in accordance with local regulation.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

In accordance with the REACH regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This substance is not subject to Part 1 or 2 of Annex I

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this substance.

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SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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