

Safety Data Sheet
According to Regulation (EU) No. 1907/2006, Annex II,
Amended by REGULATION (EU) No 2015/830

Sodium erythorbate

SDS Record Number: CSSS-TCO-010-100184
Version 1.2 Revision date: 22/01/2017

Printing date: 22/01/2017

1 Identification of the substance and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Sodium erythorbate
Additional identification: Sodium isovitamin C, sodium Isoascorbate, isoascorbic acid, sodium salt
Identification of the product: CAS#6381-77-7;EC#228-973-9
Merk Index: 5143
CAC No.: 316

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Used as antioxidant in food additives.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): Chemical Inspection & Regulation Service Limited
Supplier(Manufacturer): Jiangxi Dexing PARCHN Sodium Isovitamin C Co., Ltd
Address: Xingangshan Town, Dexing City, Jiangxi Province, China
Contact person(E-mail): Li Ninghao(lininghaotony@163.com)
Telephone: +86-793-7790030
Fax: +86-793-7790110

1.4 Emergency telephone Number:

Manufacture(P.R.China): +86 793 7790020
Available outside office hours? YES NO

2 Hazards Identification

2.1 Classification of the substance

2.1.1 Classification:

The substance is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
N/A	N/A

For full text of H- phrases: see section 2.2.

2.1.2 The most important adverse effects

2.1.2.1 The most important adverse physicochemical effects:

Not applicable.

2.1.2.2 The most important adverse human health effects:

Not applicable.

2.1.2.3 The most important adverse environmental effects:

Not applicable.

2.2 label elements

Hazard Pictograms: No hazard pictograms.
Signal Word(S): No signal words.
Hazard Statement: Not applicable.

Chemical Inspection & Regulation Service Limited

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Precautionary Statement: Not applicable.

2.3 Other hazards

Not available (PBT,vPvB, Substance is an endocrine disruptor etc.)

3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Assay (% , by weight)
Sodium Erythorbate	N/A	6381-77-7	228-973-9	≥98.0%

4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

4.1.2 In case of skin contact:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

4.1.3 In case of eyes contact:

Immediately flush thoroughly with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

4.1.4 In case of ingestion:

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The material is not expected to be harmful to human health.

4.3 Indication of any immediate medical attention and special treatment needed

As a precaution, get medical advice/attention. Treat symptomatically and supportively.

5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use dry chemical sandy soil, chemical foam, carbon dioxide.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

The material may be combustible at high temperature. May emits acrid smoke and irritating vapors under fire conditions. In case of fire, the following can be released: carbon monoxide(CO).

5.3 Advice for fire-fighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Remove ignition sources. Provide adequate ventilation. Avoid inhalation of vapor or dust. Avoid skin and eye contact. Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if mist, vapor or dust is generated.

6.2 Environmental Precautions:

The product is not harmful to environment. Avoid directly into the aquatic environment. Keeping away from drains, surface-and ground-water and soil.

6.3 Methods for Containment and Cleaning up:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

6.4 Reference to other sections:

See Section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material.

7.1.2 Advice on general occupational hygiene:

Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

7.3 Specific end use(s):

Not applicable.

8 Exposure control/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not listed.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection Wear appropriate protective goggles to prevent eye exposure.

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Hand protection	Wear appropriate protective rubber gloves to prevent skin exposure.
Body protection	Wear appropriate protective clothing to minimize contact with skin.
Respiratory protection	If product forms dust, wear dust-protection mask, avoid inhaling dust.
Thermal hazards	Wear appropriate protective clothing to minimize contact with skin.

8.2.3 Environmental exposure controls:

According to local regulations, Federal and official regulations.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Crystalline powder or granular
Colour:	White to slightly yellow
Odour:	Odorless
Odour threshold:	Not available
pH:	5.5-8.0
Melting point/range (°C):	Not available
Boiling point/range (°C) :	Not available
Flash point (°C) :	Not available
Evaporation rate:	Not applicable
Flammability (solid, gas);	Not flammable
Ignition temperature (°C) :	Not available
Upper/lower flammability/explosive limits:	Not determined
Vapour pressure (20°C) :	Not determined
Vapour density:	Not applicable
Relative Density (25°C):	Not determined
Bulk density (kg/m ³) :	Not determined
Water solubility (g/l) at 20°C :	16g/100ml
n-Octanol/Water (log Po/w) :	Not determined
Auto-ignition temperature:	Not available
Decomposition temperature:	>200°C
Viscosity, dynamic (mPa s) :	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not applicable

9.2. Other information:

Fat solubility(solvent-oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

10 Stability and reactivity

10.1 Reactivity:

The substance does not react vigorously with reducing agent, so it does not belong to oxidizing substances. In solution it deteriorates in the presence of air, trace metals, and light.

10.2 Chemical stability:

Under normal conditions, the product is stable. No hazardous reaction when handled and stored according to provisions. Hazardous reactions are not known.

10.3 Possibility of hazardous reactions:

Under normal conditions, not hazardous reactions will occur.

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10.4 Conditions to avoid:

Incompatible materials.

10.5 Incompatible materials:

Strong oxidizing agents, strong bases, chemically active metals, aluminum, zinc, magnesium, copper.

10.6 Hazardous decomposition products:

Carbon monoxide, carbon dioxide.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD50(Oral, Rat): 5 g/kg
LD50(Oral, Mouse): Not available
LD50(Inhalation, Rat): Not available

Skin corrosion/Irritation: No irritating.

Serious eye damage/irritation: No irritating.

Respiratory or skin sensitization: No sensitizing.

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not applicable.

Other adverse effects: Not applicable.

13 Disposal considerations

13.1 Waste treatment methods

Always contact a permitted waste disposal to assure compliance with all current local, state, and Federal Regulations.

13.2 Product / Packaging disposal:

If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations. .

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14 Transport information			
	<i>Land transport (ADR/RID)</i>	<i>Sea transport (IMDG)</i>	<i>Air transport (ICAO/IATA)</i>
UN-Number:	Not regulated	Not regulated	Not regulated
UN Proper shipping name:	Not regulated	Not regulated	Not regulated
Transport hazard Class:	Not regulated	Not regulated	Not regulated
Packaging group:	Not regulated	Not regulated	Not regulated
Environmental hazards:	Not regulated	Not regulated	Not regulated
Special precautions for user:	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

15 Regulation information

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

Relevant information regarding authorization: Not applicable.
Relevant information regarding restriction: Not applicable.
Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
Other National regulations: Not applicable
Chemical Safety Assessment has been carried out? YES NO

16 Other information

16.1 Indication of changes Version 1.1 Amended by EU No 453/2010
Version 1.2 Amended by EU No 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.