



JINNENG SCIENCE & TECHNOLOGY CO., LTD.

No.1Road,Industrial Park,Qihe,Shandong,China

Safety Data Sheet

According to Regulation (EU) No. 1907/2006, Annex II, Amended by
REGULATION (EU) No 453/2010

SORBIC ACID

Printing date: 01/01/2014

SDS Record Number: CSSS-TCO-010-100193
Version 1.1

Revision date:01/01/2014

1 Identification of the substance and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: SORBIC ACID
Additional identification: SORBIC ACID
Identification of the product: CAS#110-44-1; EC# 203-768-7
Index Number: Not available
REACH registration No.: Not available

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

1.2.1 Identified uses:

Used as antiseptic in the food service industry.

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): SHANDONG REIPU CHEMICALS CO., LTD.
Address: CHENMING WEST ROAD,QIHE COUNTY,SHANDONG PROVINCE,CHINA.
Contact person(E-mail): Not available
Telephone: +86 0 5342159829
Fax: +86 0 5342158666

1.4 Emergency telephone Number:

+353 41 980 6916

Available outside office hours?

YES

NO

2 Hazards Identification

REGULATION (EC) No 1272/2008

Hazard classes/Hazard categories	Hazard statement
Eye Irrit. 2	H319
STOT SE 3	H335
Skin Irrit. 2	H315

2.1 Classification of the substance

2.1.1 Classification:

The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:See Above

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

67/548/EEC

Hazards characteristics	R-Phrases
Xi	R 36/37/38

For full text of R- phrases: see section 16.

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:

Irritating to eyes, respiratory system and skin.

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2.1.2.3 The most important adverse environmental effects:

Not applicable.

2.2 label elements

Hazard Pictograms:

Signal Word(S):

Hazard Statement:

Precautionary Statement:



Warning.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H315: Causes skin irritation.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313: If eye irritation persists: Get medical advice/attention.

P261: Avoid breathing dust/fume/ gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

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.	Concentration
2,4- Hexadienoic Acid	N/A	110-44-1	203-768-7	>98%

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:

Seek fresh air and aid breathing if necessary. Get medical attention.

4.1.2 In case of skin contact:

Wash with large amounts of water for 15 to 20 minutes.

4.1.3 In case of eyes contact:

Wash with large amounts of water for 15 to 20 minutes.

4.1.4 In case of ingestion:

Treat symptomatically and supportively. In the event of persist symptoms receive medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

Irritating to eyes, respiratory system and skin.

4.3 Indication of any immediate medical attention and special treatment needed



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If skin irritation or rash occurs, get medical advice/attention.

5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Alcohol-resistant foam; DRY powder; Carbon dioxide; water spray jet.

Unsuitable extinguishing media: Not available..

5.2 Special hazards arising from the substance or mixture

Special hazards caused by the substance, its products of combustion or resulting gases: In case of fire, the following can be released: Carbon monoxide(co)

5.3 Advice for fire-fighters:

Don't inhale explosion and/or combustion gases. Protective equipment: Mouth respiratory protective device. Additional information: Large amounts of soot are formed in burning.

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 vapour 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:

Prevent product from entering drains

6.3 Methods for Containment and Cleaning up:

Sweep up and shovel into suitable containers for disposal

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.

6.5 Additional information:

Wet clean or vacuum up solids.

Don't use a brush or compressed air for cleaning surfaces or clothing.

Clear spills immediately.



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7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Do not breathe dusts/vapor. Handle in well ventilated areas. Eliminate all sources of ignition, and do not generate flames or sparks. Take precautionary measures against static discharges.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: No required.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Protect from exposure to the light.

7.3 Specific end use(s):

Not applicable.

8 Exposure control/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available

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:

Avoid dust generation. Ensure good ventilation and local exhaustion of the working area.

8.2.2 Individual protection measures, such as personal protective equipment:

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

Hand protection Wear appropriate gloves to prevent skin exposure.

Body protection Wear suitable protective clothing to prevent skin exposure.

Respiratory protection Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls:

Avoid discharge into the environment. This material and its container must be disposed of as hazardous waste.

According to local regulations, Federal and official regulations.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	powder
Colour:	White
Odour:	odorless
Odour threshold:	Not available
pH:	3.3
Melting point/range (°C):	132-135 °C
Boiling point/range (°C):	Not determined
Flash point (°C):	Not available
Evaporation rate:	Not applicable
Flammability (solid, gas);	Flammable



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Ignition temperature (°C) :	> 120 °C(wire basket)
Upper/lower flammability/explosive limits:	Product does not present an explosion hazard.
Vapour pressure (20°C) :	Negligible at room temperatures
Vapour density:	Not available
Relative Density (25°C):	Not available
Bulk density (kg/m ³) :	1.2g/cm ³
Water solubility (g/l) at 20°C :	Not available
n-Octanol/Water (log Po/w) :	Not determined
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
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 is stable under normal storage and handling conditions.

10.2 Chemical stability:

May be combustible at high temperature.

10.3 Possibility of hazardous reactions:

Under normal conditions, not hazardous reactions will occur.

10.4 Conditions to avoid:

Incompatible materials, combustible materials, organic materials, reducing agents, strong acids, heat, ignition resource.

10.5 Incompatible materials:

Chlorates, chlorine trifluoride, hydrogen peroxide, permonosulfuric acid, potassium azide, rubidium acetylene, carbide, sodium peroxide.

10.6 Hazardous decomposition products:

None.

11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution

Non-human toxicological data:	Not available
Method:	Not available
Dosis:	Not available
Routes of administration:	Not available
Results:	Not available



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Absorption: Not available

Distribution: Not available

Metabolism: Not available

Excretion: Not available

11.2 Information on toxicological effects

Acute toxicity:

LD50(Oral, Rat): > 2000mg/kg

LD50(Dermal Rat): > 2000mg/kg

LD50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Causes skin irritation. **Serious**

eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause respiratory irritation.

Germ cell mutagenicity: Not classified **Carcinogenicity:**

Not classified

reproductive toxicity: Not classified

STOT- single exposure: May cause respiratory irritation.

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
LC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	96h	Algae	OECD 201	N/A	N/A

Persistence and degradability: No data available.

Bioaccumulative potential: No data 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

Avoid discharge into the environment. According to local regulations, Federal and official regulations.

13.2 Product / Packaging disposal:

Dispose of them at a suitable waste incineration plant in accordance with the official regulations. Where large quantities are concerned, consult the supplier.



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14 Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
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

16.2 Relevant R- phrases (number and full text):

R36/37/38 Irritating to eyes, respiratory system and skin.

16.3 Training instructions:

Not applicable.

16.4 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.

16.5 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.