JINNENG SCIENCE & TECHNOLOGY CO., LTD.
Material Safety Data Sheet
Version 5 **Revised on Jan.1, 2012**

1. Identification of the substance/preparation and the company/undertaking

Name of substance: SORBIC ACID
Formula: $C_6H_8O_2$
Structure: CH_3-CH=CH-CH=CH=COOH
Molecular Weight: 112.13
Manufacturer: JINNENG SCIENCE & TECHNOLOGY CO., LTD.

(Formerly SHANDONG REIPU CHEMICALS CO., LTD)
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2. Compaction Composition/Information on Ingredient

CAS Name: 2,4- Hexadienoic Acid
CAS No.: 110-44-1

3. Hazards Identification



Xi Irritant

Information concerning particular hazards for human and environment:
R 36/37/38 Irritating to eyes ,respiratory system and skin.

4. Fist-aid Measures

In case of eye or skin contact, wash with large amounts of water for 15 to 20 minutes.
In case of ingestion, treat symptomatically and supportively. In the event of persist symptoms receive medical treatment.
In case of inhalation seek fresh air and aid breathing if necessary. Get medical attention.

5. Fire-fighting Measures

Suitable extinguishing material: Alcohol-resistant foam; DRY powder; Carbon dioxide; water spray jet.
Fight fire in early stages is safe to do so.
Don't inhale explosion and/or combustion gases.
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)
Protective equipment: Mouth respiratory protective device.
Additional information: Large amounts of soot are formed in burning.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.
Environmental precautions: Prevent product from entering drains.
Methods for cleaning up: Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Handling:
Information for safe handling: Prevent formation of dust.
Information about fire-and explosion protection:
Keep ignition sources away-Do not smoke.
Protect against electrostatic charges.
Capable of dust explosion.
Storage:
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.

8. Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.
Ingredients with limit values that require monitoring at the workplace: No required.
Additional information: The lists valid during the making were used as basis.
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Avoid contact with the eyes and skin.
Wash hands before breaks and at the end of work.
Respiratory protection: Particle filter half mask.
Protection of hands:
Protective gloves
Check the permeability prior to each anewed use of the glove.
Eye protection:
Tightly sealed goggles
Face protection

9. Physical and Chemical Properties

Form:	Crystalline Powder
Odor:	slight characteristic odor
Color:	White or off white
Melting point:	132-135℃
Self-igniting:	> 120℃(wire basket)
Danger of explosion:	Product does not present an explosion hazard.
PH value(1.6g/l) AT 20℃:	3.3
Density(20℃):	1.2g/cm3

10.Stability and Reactivity

Stability: Stable.
Combustion gases: In the event of fire, the formation of carbon dioxide, and water. (and potassium carbonate).
Solid product combustibility: not combustible.
Risk of dust explosion: no risk.

Impact sensitivity: not impact sensitive.
Risk of polymerization: will not occur.

11.Toxicological Information

Acute oral toxicity: LD50: 4920mg/kg(Rat)
Acute dermal toxicity
Reference substance: Sorbic acid
LD50: 4920mg/kg(Rat)
Primary irritant effect:
On the skin:
Species: rabbit
Evaluation: irritant
Method: EEC 84/449,B.4
On the eye:
Species: rabbit
Evaluation: irritant
Method: EEC 84/449,B.5
Sensitization: No sensitizing effects known.

12. Ecological Information

Ecological datas are nor available, don't monitored into the environment.

13. Disposal Considerations

Package product waste, close and label the waste receptacles and likewise, any unclean empty containers.
Dispose of them at a suitable waste incineration plant in accordance with the official regulations.
Where large quantities are concerned, consult the supplier**.**

14. Transport Information

Not dangerous cargo. Don't define in the transport regulation.

15. Regulatory Information

Labeling according to US guidelines.
Code letter and hazard designation of product: Xi Irritant
Risk phrases:36/38 Irritating to eyes and skin.

16. Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Sorbic acid according to the permissible Auxiliary Substances Regulations Act in China, is admitted as an auxiliary substance in Foodstuffs. Sorbic acid satisfies the conditions of purity as required by Auxiliary Substances Transport Regulations: FDA. FCC.

Sources Manufacturer’s information.