

Safety Data Sheet

According to Globally Harmonized System Of Classification And Labelling Of Chemicals (GHS)

Version: 1.0/EN

Revision date: 20/01/2019

Product name: Sebacic acid

Printing date: 20/01/2019

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

1.1 Product identifier

Substance name: Sebacic acid
Index No.: Not listed.
CAS No.: 111-20-6
EC No.: 203-845-5

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

Identified uses: Used raw material for polyamide resin.
Uses advised against: No uses advised against.

1.3 Details of the supplier of the SDS

Manufacturer: Shandong Siquang Chemical Group Co.,Ltd.
Address: Industrial Park,Guyun Town,Shenxian,Shandong Province,China
E-mail: sdsxsqhg@163.com
Telephone: 0086 635 7889919
Fax: 0086 635 7887199

1.4 Emergency telephone number

0086 635 2907057

Section 2: Hazards identification

2.1 Classification of the substance or mixture

This product does not meet the criteria for classification in any hazard class according to GHS.

Additional information

No information available.

2.2 GHS label elements

This product does not meet the criteria for classification in any hazard class according to GHS.

2.3 Other hazards

No information available.

Section 3: Composition/information on ingredients

3.1 Substance information

Substance name	CAS No.	EC No.	Index No.	% (w/w)
Sebacic acid	111-20-6	203-845-5	Not listed.	>99.5%

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Remark: The rest unspecified ingredients are impurities, and they are not hazard.

Section 4: First aid measures

4.1 Description of first aid measures

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

Following inhalation:

If breathed in, move person into fresh air. If not breathing give artificial respiration.

Following skin contact:

Wash off with soap and plenty of water.

Following eye contact:

Flush eyes with water as a precaution.

Following ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Notes for the doctor:

Treat symptomatically and supportively.

Treatment may vary with condition of victim and specifics of incident.

4.2 Most important symptoms and effects, both acute and delayed

It presents no significant acute and delayed symptoms.

4.3 Indication of the immediate medical attention and special treatment needed

Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material. Attending physician should treat exposed patients symptomatically.

Section 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media:

For this substance no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Combustible. Finely dispersed particles form explosive mixtures in air.

5.3 Advice for fire-fighters

Do not stay in dangerous zone without self-contained breathing apparatus.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Prevent fire-fighting water from entering surface water or groundwater.

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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Vacuum or sweep up material and place into a suitable disposal container.

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.

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid exposure - obtain special instructions before use. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking.

Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 : Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

There are no currently occupational exposure limit values established for the substance.

Biological limit values:

There are no currently biological limit values established for this substance.

8.2 Exposure controls

Appropriate engineering controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible

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exposure limits.

Personal protective equipment:

Eye and face protection: Safety glasses.

Skin protection:

Hand protection:

In full/splash contact: Glove material: nitrile rubber

Layer thickness: 0.11 mm, Breakthrough time: >6h.

Respiratory protection: Required when dusts are generated.

Environmental exposure controls:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

Industrial hygiene:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Powder&Granular
Colour:	White
Odour:	Mild fatty acid odour
pH:	No data available.
Melting point:	134.5 °C at 1013 hPa
Boiling point:	338 °C at 1013 hPa 295 °C at 133 hPa
Density:	1.207 g/cm ³ at 0 °C
Vapour pressure:	Negligible, 0.00001 hPa at 20 °C
Partition coefficient (n -octanol/water):	Log pow = 1.5 at 23 °C at pH 3
Solubility(ies):	209.7-238.3 mg/l in water at 20 °C
Flash point:	Not applicable. Auto-
ignition temperature:	Not applicable.
Flammability:	Non flammable.
Decomposition temperature:	No data available.
Explosive properties:	Non explosive.
Oxidising properties:	No oxidising properties.
Evaporation rate :	No data available.
Viscosity:	Not applicable.

9.2 Other information

Dissociation constant: 5 at 24°C

Section 10: Stability and reactivity

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10.1 Reactivity

Dust explosion possible if in powder or granular form, mixed with air.

If dry, it can be charged electrostatically by swirling, pneumatic transport, pouring, etc.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Violent reactions possible with: strong oxidizing agents, bases, strong acids.

10.4 Conditions to avoid

Incompatible materials.

10.5 Incompatible materials

Bases, oxidizing agents, reducing agents.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Acute Oral toxicity: LD₅₀ > 5000 mg/kg (rat)(OECD Guideline 401);

Acute Inhalation toxicity: Quantitative data on the acute inhalation toxicity of this product are not available.

Acute Dermal toxicity: LD₅₀ > 2000 mg/kg (rabbit) (OECD Guideline 402);

Skin corrosion/irritation:

Skin, rabbit: Not irritating. OECD Guideline 404)

Serious eye damage/irritation:

Eyes, rabbit: Not irritating. (OECD Guideline 405)

Respiratory or skin sensitization:

Intracutaneous test, guinea pig (Hartley) male: not sensitising.

CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction):

Carcinogenicity:

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.

Mutagenicity:

Genetic toxicity: negative.

The substance or mixture is not classified as mutagens or toxic to reproduction.

11.2 Symptoms related to the physical, chemical and toxicological characteristics

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Based on best current information, there is no data known associated with this product.

11.3 Delayed and immediate effects/chronic effects from short and long term exposure

Based on best current information, there is no data known associated with this product.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity to fish: LC₅₀ > 100 mg/l/96h (*Brachydanio rerio*)(OECD Guideline 203);
Acute toxicity to daphnia: EC₅₀ > 100 mg/l/48h (*Daphnia magna*)(OECD Guideline 202);
Acute toxicity to algae: No data available.
Acute toxicity to bacteria: No data available.

12.2 Persistence and degradability

Biodegradability: 89% after 28 d, biodegradable in seawater. (OECD 306)
98% after 7 d, readily biodegradable. (ISO 7827)

12.3 Bioaccumulative potential

The 1-octanol/water partition coefficient of sebacic acid was measured to be 1.5
Significant accumulation in organisms is not to be expected. (BASF SE, 2010)

12.4 Mobility in soil

Based on best current information, there is no data known associated with this product.

12.5 Other adverse effects

No data available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Observe all federal, state, and local environmental regulations.
Contact a licensed professional waste disposal service to dispose of this material.

Section 14: Transport information

14.1 Land transport (ADR/RID/GGVSE)

This product is not regulated as a hazardous material or dangerous goods for transportation.

14.2 Sea transport (IMDG-Code/GGVSee)

This product is not regulated as a hazardous material or dangerous goods for transportation.

14.3 Air transport (ICAO-TI/IATA-DGR)

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This product is not regulated as a hazardous material or dangerous goods for transportation.

14.4 Additional information

No other information available.

Section 15: Regulatory information

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

USA - TSCA:	CAS # 111-20-6 is listed in the inventory.
EINECS:	CAS # 111-20-6 is listed in the inventory.
Canada - DSL:	CAS # 111-20-6 is listed in the inventory.
Australia - AICS:	CAS # 111-20-6 is listed in the inventory.
Korea - ECL:	CAS # 111-20-6 is listed in the inventory.
Japan - ENCS:	CAS # 111-20-6 is listed in the inventory.
China - IECSC:	CAS # 111-20-6 is listed in the inventory.

Section 16: Other information

16.1 Revision Information:

Date of the previous revision: Not applicable.

Date of this revision: 20/01/2011.

Revision summary: The first new SDS

16.2 Abbreviations and acronyms

CAS:	Chemical Abstracts Service (division of the American Chemical Society).
EINECS:	European Inventory of Existing Commercial Chemical Substances.
RID:	European Rail Transport.
IMDG:	International Maritime Code for Dangerous Goods.
IATA:	International Air Transport Association.
OSHA:	The United States Occupational Safety and Health Administration.
TSCA:	Toxic Substances Control Act, The American chemical inventory.
IECSC:	Inventory of existing chemical substances in China.
DSL:	Domestic Substances List, The Canadian chemical inventory.
AICS:	The Australian Inventory of Chemical Substances.
ECL:	Existing Chemicals List, the Korean chemical inventory.
ENCS:	Japanese Existing and New Chemical Substances.

16.3 Key literature references and sources for data

ICSC: International Chemical Safety Cards.

Chemical safety report for sebacic acid.

16.4 Relevant H-statements

Not applicable.

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16.5 Declare to reader

The information in this Safety Data Sheet (SDS) was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.

----- End of the SDS -----