



Tradename: Sebacic acid, powder

Print Date: 6. January 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 2.1 created on: 12.07.2019

Region: EN

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

1.1. Product identifier

Product name / Trade name

Sebacic acid, powder

Substance name

Sebacic acid

REACH Registration Number

01-2119519212-52

Identification Number

CAS-No.

111-20-6

EC-No.

203-845-5

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

Recommended use

Industrial uses

Uses advised against

Any improper use

1.3. Details of the supplier of the safety data sheet

Company

SysKem Chemie GmbH

Brucknerweg 26

D-42289 Wuppertal

Telephone

+49 (0) 202/30999510

Telefax

+49 (0) 202/87088403

E-mail address

info@syskem.de

Prepared by / E-mail address of person responsible for the SDS

info@syskem.de

1.4. Emergency telephone number

Vergiftungs-Informationen-Zentrale Freiburg, Tel. +49 761 19240.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3. Other hazards

None known.



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SECTION 3: Composition/information on ingredients**3.1. Substances**

Substance name	Sebacic acid	
REACH Registration Number	01-2119519212-52	
Identification Number		
CAS-No.	111-20-6	
EC-No.	203-845-5	
Formula	HOOC(CH ₂) ₈ COOH	C ₁₀ H ₁₈ O ₄ (Hill)
Molar mass	202,24 g/mol	

Remarks

No disclosure requirement according to Regulation (EC) No. 1907/2006.

3.2 Mixture

Not applicable

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Fresh air.

In case of skin contact:

Take off immediately all contaminated clothing. Rinse skin with water/ shower.

After eye contact

Rinse out with plenty of water. Remove contact lenses.

After swallowing

Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2. Most important symptoms and effects, both acute and delayed

We have no description of any symptoms of toxicity.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**Water, Foam, Carbon dioxide (CO₂), Dry powder**Unsuitable extinguishing media:**

For this substance/mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

Development of hazardous combustion gases or vapours possible in the event of fire.



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5.3. Advice for firefighters

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel:

Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders:

Protective equipment see section 8.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4. Reference to other sections

Indications about waste treatment see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe label precautions.

Hygiene measures

Change contaminated clothing. Wash hands after working with substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Dry.

Recommended storage temperature

see product label.

7.3. Specific end use(s)

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

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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

No additional information available.

PNEC**Substance name****ecological compartment** **Type****sebacic-acid****CAS / EC no****Value****111-20-6****203-845-5**

water	fresh water	0,018	
water	marine water	0,0018	mg/l
water	Aqua intermittent	0,18	mg/l
water	fresh water sediment	0,547	mg/kg
water	marine water sediment	0,0547	mg/kg
soil	-	0,0986	mg/kg
sewage treatment plant	-	10	mg/l

8.2. Exposure controls**Engineering measures**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1.

Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Eye/face protection

Safety glasses

Hand protection

Glove material: Nitrile rubber

Glove thickness: 0,11 mm

Break through time: > 480 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374. The breakthrough times stated above were determined in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

Respiratory protection

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

Environmental exposure controls

Do not let product enter drains.

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

Form:	Solid. Powder
Colour:	White
Odour:	Characteristic
Odour threshold:	No data available
pH-value:	No data available
Melting point/Melting range:	134,5 °C
Boiling point/Boiling range:	338 °C (1013 hPa)
Decomposition point / decomposition range	No data available
Flash point:	No data available
Auto-ignition temperature	No data available
Oxidising properties	No data available
Explosive properties	No data available
Flammability (solid, gas)	No data available
Lower flammability or explosive limits	No data available
Upper flammability or explosive limits	No data available
Vapour pressure	0,0001 hPa (20 °C)
Vapour density	No data available
Evaporation rate	No data available
Relative density	No data available
Density	1,207 g/cm ³ (20 °C)
Solubility in water	209,7 – 238,3 mg/l (20 °C)
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	1,5 (23 °C)
Viscosity	Remarks: pH 7 No data available

9.2. Other information

No additional information available.

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

No information available

10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature)

10.3. Possibility of hazardous reactionsViolent reactions possible with:
Strong oxidizing agents, Bases, Strong acids**10.4. Conditions to avoid**

No information available

10.5. Incompatible materials

No information available



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10.6. Hazardous decomposition products

No information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

LD50 Rat: 3.400 - 14.500 mg/kg

Acute inhalation toxicity

This information is not available.

Acute dermal toxicity

LD50 Rat: > 2.000 mg/kg
OECD Test Guideline 402

Skin corrosion/irritation

Rabbit

Result: No irritation

OECD Test Guideline 404

Serious eye damage/eye irritation

Rabbit

Result: No eye irritation

OECD Test Guideline 405

Respiratory or skin sensitisation

This information is not available.

Germ cell mutagenicity

This information is not available.

Carcinogenicity

This information is not available.

Reproductive toxicity

This information is not available.

STOT - single exposure

This information is not available.

STOT - repeated exposure

This information is not available.

Aspiration toxicity

This information is not available.

Further information

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.
Handle in accordance with good industrial hygiene and safety practice.



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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to daphnia and other aquatic invertebrates

Static test EC50 Daphnia magna (Water flea): > 100 mg/l; 48 h
OECD Test Guideline 202

12.2 Persistence and degradability

Biodegradability
98 %; 7 d; aerobic
Readily biodegradable
Biodegradable

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water
log Pow: 1,5
(pH=7, 23 °C)

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product residues must be disposed of in accordance with national and regional regulations.
Keep chemicals in original containers. Do not mix with other waste.
Uncleaned containers should be handled according to the product.

Observe Waste Directive 2008/98 / EC.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 – 14.6 Not classified as dangerous in the meaning of transport regulations.

Inland waterway transport (ADN)

Not relevant

Air transport (IATA)

14.1 – 14.6 Not classified as dangerous in the meaning of transport regulations.

Sea transport (IMDG)

14.1 – 14.6 Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant



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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Major Accident Hazard Legislation SEVESO III**

Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

not regulated

Substances of very high concern (SVHC)This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of $\geq 0.1\%$ (w/w).**National legislation****Storage class**

10-13

15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information**Further information**

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.

Training advice

Provide adequate information, instruction and training for operators.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative