03.03.2026

Safety information sheet

Version: 1.0 EN

Sodium saccharin, saccharin sodium 20–40 mesh – E954ii

Article number: D10553

This document has been prepared as a communication tool to inform downstream users about both the status of the substance under REACH and CLP, some of its essential properties and the guidance on safe use. An extended safety data sheet (SDS) is not required for this substance under Article 31 of REACH Regulation (EC) No 1272/2008, including the amending Regulation (EU) 2020/878. As a result, the format and content of this document does not comply with the framework for safety data sheets set out in Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006.

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1 Identification of the substance/mixture and the company

1.1 Product identifier

Name	Sodium saccharin, saccharin sodium (E954ii)
CAS number	6155-57-3
EC number	204-886-1
REACH registration	-

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

Description/use	Sodium saccharin (E954ii) is an intense sweetener and is produced synthetically to ensure consistent quality. For further information on specific applications, please contact us at the telephone number provided – we will be happy to put you in touch with the relevant specialist department.

1.3 Details of the supplier providing the safety information sheet

Company	DistrEbution GmbH
Adress	Brookdeich 40 21029 Hamburg Germany
Telephone	+49 40 609 2387 60
E-Mail	info@distrebution.com

1.4 Emergency number

+49 40 609 2387 60 (Business hours: Mon - Thu: 8 a.m.- 5 p.m. / Fri: 8 a.m. – 4 p.m.)

2 Potential hazards

2.1 Classification oft he substance or mixture

Not classified according to Chemicals Regulation (EC) Nr.1272/2008.

2.2 Label elements

Not subject to classification according to Regulation (EC) No 1272/2008.

2.3 Other hazards

This substance is neither a PBT nor a vPvB substance.

3 Composition/information on ingredients

Chemical characterization:	Sodium saccharin, saccharin sodium (E954ii)
CAS number	6155-57-3
EC number	204-886-1
REACH registration	-
Hazardous ingredients	-
Nanoparticles	No nanoparticles according to Regulation (EU) 2018/1881

4 First-aid measures

4.1 Description of first-aid measures

In case of emergency, seek medical attention.

After eye contact

Rinse eyes with plenty of water, keeping eyelids open. Remove contact lenses, if present and easily possible. Continue rinsing. If irritation persists, seek medical advice.

After skin contact

Wash thoroughly with plenty of water.

Inhalation or ingestion

Ensure adequate fresh air. Rinse mouth. Do not induce vomiting. Seek medical advice if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

None known.

5 Firefighting measures

5.1 Eytinguishing agents

Suitable extinguishing agents

Water, foam, alcohol-resistant foam, fire extinguishing powder

Unsuitable extinguishing agents

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5.2 Special hazards arising from the substance or mixture

Flammable. Hazardous decomposition products: see Section 10. Dust explosion hazard.

Hazardous combustion products: nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO_2), sulphur oxides (SOx).

5.3 Advice fo firefighters

Cool container with spray water.

Avoid inhaling fire and explosion gases.

Adapt extinguishing measures to the surroundings.

Do not allow extinguishing water to enter drains or waterways.

Collect contaminated extinguishing water separately.

Carry out firefighting operations while maintaining the usual safety distances.

Protective equipment for firefighting

Wear self-contained breathing apparatus.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personnel not trained for emergencies

Ventilate the affected area sufficiently. Avoid dust formation. Remove ignition sources if possible without risk. Do not inhale dust. Avoid contact with eyes and skin. Wear suitable personal protective equipment (see Section 8) to prevent contamination of skin, eyes and personal clothing.

Emergency responders

Use respiratory protective equipment in case of exposure to vapours, dust, aerosols or gases.

6.2 Environmental precautions

Suppress dust with water spray. Prevent penetration into waterways or drains. Retain contaminated washing water and dispose of it properly.

6.3 Methods and material for containment and cleaning up

Measures to prevent spread in case of spillage:

Cover drains.

Collect spilled material mechanically.

Procedure for cleaning up spills:

Collect product mechanically.

Remove spilled quantities.

Further information on spills and release:

Place collected material in suitable containers for disposal.

Ventilate the affected area adequately.

6.4 Reference to other sections

See section 5 for information on hazardous combustion products.

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 10 for information on incompatible materials.

See section 13 for information on disposal.

7 Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes. Do not inhale dust. Ensure adequate ventilation. Prevent dust formation as far as possible.

Measures to prevent fires and aerosol and dust formation

Ensure adequate general and local extraction.

Keep away from sources of ignition – no smoking.

Take precautions against electrostatic charging.

Remove dust deposits regularly.

Only use explosion-proof, ignition-source-free vacuum cleaners to vacuum combustible dust.

Ground containers and equipment properly.

Only use explosion-proof electrical equipment (e.g. ventilation and lighting systems).
Only use spark-free tools.

Specific information

Deposits or accumulations of combustible dust can lead to the formation of an explosive atmosphere and pose a risk of dust explosion.

Environmental protection measures

Prevent release into the environment.
Do not allow to enter the sewage system.
Dispose of product and container as hazardous waste.

Hygiene measures at the workplace

Do not eat, drink or smoke in work areas.
Remove contaminated clothing and protective equipment before breaks.
Wash hands after work.
Preventive skin protection is recommended.

7.2 Conditions for safe storage, including any incompatibilites

Explosive atmospheres

Avoid and remove dust deposits. For combustible dusts, use only suitable, ignition-source-free vacuum cleaners.

Fire and ignition hazards

Keep away from heat, hot surfaces, sparks and open flames.
No smoking.
Take measures against electrostatic discharges.
Ground containers and equipment.

Incompatible substances

Store separately from oxidising agents.
Incompatible materials: see Section 10.

Protection from external influences

Protect from heat and moisture.

Other information

No information available.

Ventilation

Ensure adequate ventilation.

Storage conditions

Store in a dry, cool and well-ventilated place.

Keep container tightly closed.

Packaging

Store only in the original container.

7.3 Specific end uses

No information available.

8 Exposure controls/personal protective equipment

8.1 Parameters to be monitored

No information on occupational exposure limits is available.

Health-related guideline values (DNEL)

- Inhalation (workers, chronic systemic effect): 1.4 mg/m³
- Dermal (workers, chronic systemic effect): 0.4 mg/kg body weight per day

Environmental reference values (PNEC)

- Freshwater: 10 mg/l
- Seawater: 1 mg/l
- Freshwater sediment: 2,060 mg/kg
- Marine sediment: 206 mg/kg
- Soil: 407 mg/kg

8.2 Limitation and monitoring of exposure

8.2.1 Apprpriate engineering controls

Ensure adequate local and general ventilation.

8.2.2 Personal protective equipment

Respiratory protection

Wear suitable respiratory protection if ventilation is inadequate or dust is generated.

A P2 particle filter device in accordance with DIN EN 143 (filter efficiency ≥ 94%, identification colour: white) is recommended.

Hand protection

Use chemical protection gloves made of NBR (acrylonitrile butadiene rubber).

- Material thickness: at least 0.11 mm
- Breakthrough time: over 480 minutes (permeation level 6)
- Gloves must comply with EN 374.
- Check for leaks before use.
- Chemical resistance should be agreed with the manufacturer for specific application.

Eye protection

Wear safety goggles or face protection (EN 166).

Body and skin protection

Wear protective clothing against solid particles (e.g. according to EN 13832, EN 340, EN 13034, EN 14605).

Respiratory protection

In case of insufficient ventilation, use suitable respiratory protection, e.g. particle filter device according to DIN EN 143.

Other protective measures

Use suitable containers to avoid environmental contamination.

Prevent penetration into drains, surface water and groundwater.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Solid powder
Colour	White
Odour	Weak
pH value	7.2 (in aqueous solution: 50 g/l, 25°C)
Melting point	> 350°C
Boiling point	Not determined
Flash point	Not determined
Evaporation rate	No data available
Flammability	This material is combustible but not highly flammable
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Density	No data available
Relative vapour density	No data available
Partition coefficient	No data available
n-octanol/water (log value)	-2.227 (25°C)
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Particle size/distribution	No data available
Solubility	Partially soluble

9.2 Other information

Information on physical hazard classes	Hazard classes according to GHS (physical hazards): not relevant
Other safety-related properties	No information available

10 Stability and reactivity

10.1 Reactivty

Not reactive under normal processing conditions.

10.2 Chemical stability

Stable when stored and handled properly and under normal temperature and pressure conditions. For further information, see section ‘Conditions to avoid’.

10.3 Possibility of hazardous reactions

Dust explosion hazard if fine particles form and accumulate.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid electrostatic charges. Protect from moisture. Prevent dust formation as far as possible.

10.5 Incompatible materials

Oxidising agents

10.6 Hazardous decomposition products

Nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO_2), sulphur oxides (Sox)

11 Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No. 1272/2008

Acute oral toxicity	LD50 (rat, oral): 8,980 mg/kg
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available
Skin corrosion/irritation	Not irritating/corrosive to skin
Serious eye damage/irritation	Not irritating/corrosive to eyes
Respiratory or skin sensitization	Not sensitising to skin; insufficient data for respiratory sensitisation
Germ cell mutagenicity	Not mutagenic
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	Not hazardous if aspirated

11.2 Information on other hazards

Endocrine disrupting properties

No data available

Further information

No data available

12 Environmental information

12.1 Toxicity

The classification criteria for acute or chronic aquatic toxicity are not met.

Acute aquatic toxicity:

LC50 (Danio rerio, 96 h): > 400 mg/l (OECD 203)

EC50 (Daphnia magna, 48 h): > 100 mg/l (OECD 202)

ErC50 (Chlorella vulgaris, 72 h): > 200 mg/l (OECD 201)

Chronic aquatic toxicity:

EC50 (activated sludge, 14 d): > 100 mg/l (OECD 301 F)

NOEC (Pseudokirchneriella subcapitata, 72 h): 102 mg/l (OECD 201)

NOEC (Daphnia magna, 21 days): 119.8 mg/l

NOEC (fish, 28 days): 307.1 mg/l

ErCx (growth rate, Desmodesmus subspicatus, 72 hours): 100 mg/l (OECD 201)

12.2 Persistence and degradability

Not readily biodegradable. Degradation rate (OECD 301 F): 53.6% within 28 days. Based on the available data, the substance is not classified as persistent or very persistent.

However, complete degradation half-lives are not available for a final assessment of persistence in individual environmental compartments.

12.3 Bioaccumulatiove potential

Distribution coefficient n-octanol/water (log KOW): –2.227 (25 °C).

BCF: 3.2.

No relevant bioaccumulation potential is expected.

12.4 Mobility in soil

The substance is considered immobile in soil. However, there is insufficient data available for a final assessment.

12.5 Results of the PBT and vPvB assessment

The substance is not PBT/vPvB.

12.6 Endocrine-disrupting properties

Not classified as an endocrine disruptor with an effect on the environment.

12.7 Other harmful effects

No other harmful effects known.

12.8 Additional information

Water hazard class (WGK): 1

13 Disposal instructions

13.1 Waste treatment methods

Product disposal

Dispose of contents and container in accordance with local, regional, national and international regulations.

Relevant information on disposal via wastewater

Do not allow to enter the sewage system.

Packaging disposal

Dispose of empty containers and waste safely. Contaminated packaging must be disposed of in the same way as the product.

Note

Please observe the relevant national or regional regulations.

14 Transport information

14.1 UN number

No data available

14.2 Proper UN shipping name

No data avaliable

14.3 Transport hazard classes

No data available

14.4 Packing group

No data available

14.5 Environmental hazards

No data available

14.6 Special precautions for user

No data available

14.7 Transport in bulk by sea according to IMO regulations

No data available

15 Legislation

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

EU legislation

No restrictions according to REACH Annex XVII.

Not listed in REACH Annex XIV (SVHC).

Not listed under the Seveso Directive.

Not listed under RoHS, ODS, PIC or POP.

Not listed under the Regulation on precursors for explosives and drug precursors.

National regulations (Germany)

Water hazard class (WGK): 1

Identification number: 7494

Technical Instructions on Air Quality Control (TA Luft)

Number: 5.2.1

Substance group: Total dust

Concentration: ≥ 25 wt.%

Mass flow: 0.2 kg/h

Mass concentration: 20 mg/m3

Note:

Even if a mass flow of 0.20 kg/h is complied with or not exceeded, a mass concentration of 0.15 g/m³ in the exhaust gas must not be exceeded. For emission sources with a mass flow of more than 0.40 kg/h, a mass concentration of 10 mg/m³ in the exhaust gas must not be exceeded.

Storage of hazardous substances in mobile containers (TRGS 510)

Storage class (LGK): 10–13

(other combustible and non-combustible substances)

Chemicals Prohibition Ordinance (ChemVerbotsV)

Not listed.

15.2 Chemical safety assessment

No substance safety assessment has been carried out for this substance.

16 Other information

16.1 Abbreviations and acronyms

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road

RID – Regulations concerning the International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods Code

IATA – International Air Transport Association

GHS – Globally Harmonised System of Classification and Labelling of Chemicals

EINECS – European Inventory of Existing Commercial Chemical Substances

CAS – Chemical Abstracts Service

EC50 – Effective concentration, 50%

LC50 – Lethal concentration, 50%

LD50 – Lethal dose, 50%

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

PBT – Persistent, bioaccumulative and toxic

vPvB – Very persistent and very bioaccumulative

16.2 SVHC

The substances on the ECHA list (http://echa.europa.eu/en/candidate-list-table) are neither expected to be present in our products nor are they intentionally used in the production process. Our products do not come into contact with these substances during production. However, it is not possible to completely rule out traces of these substances: due to natural impurities or raw material-related properties, an unintentional content of less than 0.1% cannot be completely ruled out.

16.3 Note for users

The information in this data sheet is based on our current knowledge at the time of the last revision. The user is responsible for checking the suitability and completeness of the information in relation to the specific use of the product.

This document does not constitute a guarantee for specific properties of the product. As we have no direct influence on the use of the product, the user is obliged to comply with all applicable laws, regulations and safety and hygiene provisions on his own responsibility. We accept no liability for improper use. Personnel entrusted with the handling of chemicals must be appropriately trained.