

Safety information sheet

Version: 1.0 EN

Sodium Bicarbonate Food Grade, E 500ii

Article number: D10203

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.

1 Identification of the substance/mixture and the company

1.1 Product identifier

Name	Sodium Bicarbonate Food Grade, E 500ii
CAS number	144-55-8
EC number	205-633-8
REACH registration	-

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

Description/use	Sodium Bicarbonate Food Grade is suitable for use in food. 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.
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1.3 Details of the supplier providing the safety information sheet

Company	DistrEbution GmbH
Address	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 of the substance or mixture

Not classified according to Chemicals Regulation (EC) No.1272/2008.

2.2 Label elements

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

2.3 Other hazards

This substance or mixture does not contain any components in concentrations of 0.1% or higher that are classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

3 Composition/information on ingredients

Chemical	Sodium Bicarbonate Food Grade, E 500ii
characterization:	
CAS number	144-55-8
EC number	205-633-8
REACH registration	-
Hazardous ingredients	-
Nanoparticles	No nanoparticles according to Regulation (EU) 2018/1881

4 First-aid measures

4.1 Description of first-aid measures

After eye contact

Rinse eyes carefully with plenty of water, remove contact lenses.

Protect the uninjured eye and keep eyes open while rinsing.

If irritation persists, seek medical attention.

After skin contact

Remove contaminated clothing and shoes immediately.

Clean affected skin thoroughly with plenty of soap and water.

Inhalation or ingestion

If combustion gases, decomposition products or dust are inhaled, move the affected person to fresh air.

If symptoms persist or breathing problems occur, seek medical attention. Rinse mouth thoroughly with water and then drink plenty of water.

Do not give milk or alcoholic beverages.

Do not put anything into the mouth of an unconscious person.

Seek medical attention if symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

No specific symptoms are known. Seek medical attention in case of irritation or persistent discomfort.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing agents

Suitable extinguishing agents

Coordinate firefighting measures with the surrounding area

Unsuitable extinguishing agents

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5.2 Special hazards arising from the substance or mixture

Do not allow extinguishing water to enter drains or waterways.

No hazardous decomposition or combustion products known.

5.3 Advice to firefighters

Protective equipment for firefighters

In case of fire, wear self-contained breathing apparatus.

Further information

Collect contaminated firefighting water separately – must not be allowed to enter the sewage system.

Dispose of fire residues and contaminated firefighting water in accordance with local regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2 Environmental precautions

Prevent the material from entering drains or waterways as far as possible. No special environmental protection measures are required.

6.3 Methods and material for containment and cleaning up

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Sweep up and shovel up spilled material.

Place in suitable, sealed containers for disposal.

6.4 Reference to other sections

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7 Handling and storage

7.1 Precautions for safe handling

When handling, ensure that suitable personal protective equipment is worn (see Section 8). No special measures are required if the product is used as intended. Observe the usual precautions for preventive fire protection. Observe the usual hygiene measures – avoid contact with eyes, skin and clothing, do not eat, drink or smoke while working.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers: Store the product in tightly closed containers in a dry, well-ventilated place.

Information on storage together with other substances: No special restrictions on storage together with other substances or mixtures.

Storage class (TRGS 510): 13 – Non-combustible solids.

Further information on storage stability: Store in a dry place protected from moisture. No decomposition occurs if stored and handled properly.

7.3 Specific end uses

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8 Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Does not contain any substances with occupational exposure limits.

8.2 Limitation and monitoring of exposure

8.2.1 Appropriate engineering controls

Ensure adequate ventilation; use local exhaust ventilation where necessary to minimise exposure.

8.2.2 Personal protective equipment

Respiratory protection

Personal respiratory protection equipment is not usually required.

Hand protection

Wear protective gloves in case of prolonged or repeated contact.

Eye protection

Safety goggles.

Skin and body protection

Wear protective clothing.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Crystalline powder
Colour	White
Odour	Odourless
pH value	8.6 (20°C), concentration: 50 g/l
Solubility	93.4 g/l in water (20°C,
Decomposition temperature	> 50°C
Flammability	Non-flammable
Upper explosion limit	Not applicable
Lower explosion limit	Not applicable
Flash point	Not applicable
Vapour pressure	Not applicable
Density	2.21 – 2.23 g/cm ³ (20°C, 1,013 hPA)

9.2 Other information

Explosive substances/mixtures: Not explosive

10 Stability and reactivity

10.1 Reactivity

Stable under specified storage conditions.

10.2 Chemical stability

No decomposition if stored and used as intended.

10.3 Possibility of hazardous reactions

Reacts with acids to form carbon dioxide (CO₂). In closed rooms, CO₂ can displace oxygen and cause suffocation.

No other hazardous reactions are known.

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10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

Acids.

10.6 Hazardous decomposition products

Thermal decomposition may produce carbon dioxide (CO₂) and sodium oxides.

11 Toxicological information

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

Acute oral toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available
Local effects	No data available
Chronic toxicity	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity after single exposure	No data available
Specific target organ toxicity after repeated exposure	No data available
Aspiration hazard	No data available

11.2 Information on other hazards

No data available

12 Environmental information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This product does not contain any ingredients in concentrations $\geq 0.1\%$ that are classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

12.6 Endocrine-disrupting properties

The product does not contain any substances identified as endocrine disruptors in accordance with Article 57(f) of the REACH Regulation or in accordance with Commission Delegated Regulations (EU) 2017/2100 and (EU) 2018/605 in quantities of $\geq 0.1\%$.

12.7 Other adverse effects

No data available

13 Disposal instructions

13.1 Waste treatment procedures

Product

Dispose of residual quantities and non-recyclable solutions to a recognised waste disposal company.

Contaminated packaging

Empty residues.

Dispose of empty containers at a recognised waste disposal facility – for recycling or disposal in accordance with local regulations.

14 Transport information

14.1 Transport ADR/RID/ADN

Not classified as dangerous goods

14.2 Transport IMDG

Not classified as dangerous goods

14.3 Transport ICAO-TI / IATA

Not classified as dangerous goods

14.4 Packaging group

Not classified as dangerous goods

14.5 Environmental hazards

Not classified as dangerous goods

14.6 Special precautions for users

Not classified as dangerous goods according to ADR/RID; ADN; IMDG Code or IATA-DGR.

14.7 Transport in bulk by sea according to IMO regulations

Not applicable to the product in its delivery state.

15 Legislation

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

- REACH (EC) No. 1907/2006: Restrictions according to Annex XVII: Not applicable.
- List of substances of very high concern subject to authorisation (Article 59): Not applicable.
- List of substances subject to authorisation (Annex XIV): Not applicable.
- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer: Not applicable.
- Regulation (EU) 2019/1021 on persistent organic pollutants (recast): Not applicable.
- Regulation (EC) No. 649/2012 concerning the export and import of dangerous chemicals: Not applicable.
- Seveso II/III Directives (96/82/EC and 2012/18/EU): Not applicable.

Water hazard class (WGK):

WGK 1 – slightly hazardous to water (identification no. 374, classification according to AwSV, Annex 1, No. 4).

Note: Foodstuffs within the meaning of the Foodstuffs and Commodities Act are not considered hazardous to water according to AwSV.

TA Luft (Technical Instructions on Air Quality Control):

Total dust – Not applicable.

Dusty, gaseous or organic substances – Not applicable.

Carcinogenic, mutagenic, toxic to reproduction – Not applicable.

Volatile organic compounds (VOC):

Directive 2010/75/EU (industrial emissions) – Not applicable.

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

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responsibility. We accept no liability for improper use. Personnel entrusted with the handling of chemicals must be appropriately trained.