

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM BICARBONATE - TEC / BB 1200 KG FC

Version 1.0

Print Date 21.11.2019

Revision date / valid from 22.12.2016

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

1.1. Product identifier

Trade name : SODIUM BICARBONATE - TEC / BB 1200 KG FC
Substance name : Sodium hydrogencarbonate
CAS-No. : 144-55-8
EC-No. : 205-633-8
EU REACH-Reg. No. : 01-2119457606-32-xxxx

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

Use of the Substance/Mixture : Used as:, detergent, gas treatment, Water treatment chemical, Foaming agent, Tanning agents, paper and paper pulp
Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Brenntag Nordic A/S
Borupvang 5 B
DK 2750 Ballerup
Telephone : +45 43 29 28 00
Telefax : +45 43 29 27 00
E-mail address : SDS.DK@brenntag-nordic.com
Responsible/issuing person : Environment & Quality

1.4. Emergency telephone number

Emergency telephone number : In case of personal injury call:
Denmark: 82 12 12 12 Giftlinien, Bispebjerg Hospital
Finland: Poison Information Centre: (09) 471 977 (direct) or (09) 47 11 (exchange), open 24h/day
Norway: 22 59 13 00 Giftinformasjonen (døgnåpent)
Sweden: +46-8-331231 Giftinformationscentralen (24 hour service)
Outside these countries: Please call your local emergency services

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

SODIUM BICARBONATE - TEC / BB 1200 KG FC**Classification according to Regulation (EC) No 1272/2008**

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

This substance is not classified as dangerous according to Directive 67/548/EEC.

Most important adverse effects

Human Health	:	Prolonged exposure causes local irritation of skin and mucous membranes, especially to the eyes.
Physical and chemical hazards	:	Stable under normal conditions.
Potential environmental effects	:	According to available data, this product is not harmful to the environment.

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

Additional Labelling:

EUH210 Safety data sheet available on request.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

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

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	
Sodium hydrogencarbonate				
CAS-No. : 144-55-8	<= 100	---	---	
EC-No. : 205-633-8				

SODIUM BICARBONATE - TEC / BB 1200 KG FC**SECTION 4: First aid measures****4.1. Description of first aid measures**

- If inhaled : Move to fresh air.
- In case of skin contact : Wash off with plenty of water.
- In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
- If swallowed : Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

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

- Symptoms : See Section 11 for more detailed information on health effects and symptoms.
- Effects : See Section 11 for more detailed information on health effects and symptoms.

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

- Treatment : Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

- Specific hazards during firefighting : The product itself does not burn.

5.3. Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.
- Further advice : No further information available.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

- Personal precautions : Avoid dust formation. For personal protection see section 8.

SODIUM BICARBONATE - TEC / BB 1200 KG FC**6.2. Environmental precautions**

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Shovel into suitable container for disposal. Avoid dust formation. See also section 13: Disposal Considerations.

6.4. Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes. Avoid dust formation. Provide sufficient air exchange and/or exhaust in work rooms.

Hygiene measures : Wash hands before breaks and at the end of workday. Smoking, eating and drinking should be prohibited in the application area.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep tightly closed in a dry and cool place. Store in original container. Product is hygroscopic.

Requirements for storage areas and containers : Suitable materials for containers: polyethylene

Advice on common storage : Do not store near acids.

7.3. Specific end use(s)

Specific use(s) : No information available.

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

Component:	Sodium hydrogencarbonate	CAS-No. 144-55-8
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8.2. Exposure controls

SODIUM BICARBONATE - TEC / BB 1200 KG FC**Appropriate engineering controls**

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment*Respiratory protection*

Advice : In case of insufficient ventilation, wear suitable respiratory equipment.
Recommended Filter type:
Particle filter:P2

Hand protection

Advice : Wear suitable gloves.
Protective gloves should be replaced at first signs of wear.

Eye protection

Advice : Safety glasses

Skin and body protection

Advice : Protective suit

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

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

Form	:	powder
Colour	:	white
Odour	:	odourless
Odour Threshold	:	no data available
pH	:	8,4 (8,4 g/l ; 25 °C) 8,6 (52 g/l)
Freezing point	:	no data available
Boiling point	:	no data available
Flash point	:	no data available
Evaporation rate	:	no data available

SODIUM BICARBONATE - TEC / BB 1200 KG FC

Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Density	: 2,21 g/cm ³ (20 °C)
Water solubility	: 93 g/l (20 °C)
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition	: > 50 °C
Viscosity, dynamic	: no data available
Explosivity	: no data available
Oxidizing properties	: no data available

9.2. Other information

Molecular weight	: 84,01 g/mol
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Advice	: Stable under recommended storage conditions.
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10.2. Chemical stability

Advice	: Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions	: Incompatible with acids.
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10.4. Conditions to avoid

Conditions to avoid	: Strong sunlight for prolonged periods. Protect from humidity and keep away from water. Keep away from heat and sources of ignition.
Thermal decomposition	: > 50 °C

10.5. Incompatible materials

SODIUM BICARBONATE - TEC / BB 1200 KG FC

Materials to avoid : Acids

10.6. Hazardous decomposition products

Hazardous decomposition products : No information available.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Data for the product****Acute toxicity****Oral**

This material may be a slight health hazard if ingested in large quantities.

Inhalation

Inhalation of high concentration may cause mechanical overstraining of mucous membranes.

Irritation**Skin**

Result : Prolonged skin contact may cause skin irritation.

Eyes

Result : Dust in the eyes may cause mechanical irritation.

Sensitisation

Result : no data available

CMR effects**CMR Properties**

Carcinogenicity : Please find this information in the listing of the component/components below in this section.

Mutagenicity : Please find this information in the listing of the component/components below in this section.

Reproductive toxicity : Please find this information in the listing of the component/components below in this section.

SODIUM BICARBONATE - TEC / BB 1200 KG FC
Specific Target Organ Toxicity
Single exposure

Remark : no data available

Repeated exposure

Remark : no data available

Other toxic properties
Aspiration hazard

no data available,

Component:	Sodium hydrogencarbonate	CAS-No. 144-55-8
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Acute toxicity
Oral

LD50 : > 4000 mg/kg (Rat)

CMR effects
CMR Properties

Carcinogenicity : Animal testing did not show any carcinogenic effects.
 Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
 Teratogenicity : Animal testing did not show any effects on foetal development.
 Reproductive toxicity : Animal testing did not show any effects on fertility.

SECTION 12: Ecological information
12.1. Toxicity

Component:	Sodium hydrogencarbonate	CAS-No. 144-55-8
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Acute toxicity
Fish

NOEC : 5200 mg/l (Lepomis macrochirus (Bluegill sunfish); 96 h)

NOEC : 2300 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h)

SODIUM BICARBONATE - TEC / BB 1200 KG FC**Toxicity to daphnia and other aquatic invertebrates**

EC50 : 4100 mg/l (Daphnia magna (Water flea); 48 h)

Chronic toxicity**Aquatic invertebrates**

NOEC : > 576 mg/l (Daphnia magna (Water flea); 21 d)

12.2. Persistence and degradability

Component:	Sodium hydrogencarbonate	CAS-No. 144-55-8
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Persistence and degradability**Biodegradability**

Result : The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

Component:	Sodium hydrogencarbonate	CAS-No. 144-55-8
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Bioaccumulation

Result : Not expected to be bioaccumulative

12.4. Mobility in soil

Component:	Sodium hydrogencarbonate	CAS-No. 144-55-8
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Mobility

Soil : Highly mobile in soils

12.5. Results of PBT and vPvB assessment

Component:	Sodium hydrogencarbonate	CAS-No. 144-55-8
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Results of PBT and vPvB assessment

Result : The PBT or vPvB criteria of Annex XIII to the REACH Regulation does not apply to inorganic substances.

12.6. Other adverse effects**Data for the product**

SODIUM BICARBONATE - TEC / BB 1200 KG FC**Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

- Product : Dispose of in accordance with local regulations.
- Contaminated packaging : Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
- European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

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

IMDG : Not applicable.

SECTION 15: Regulatory information

SODIUM BICARBONATE - TEC / BB 1200 KG FC

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

15.2. Chemical safety assessment

no data available

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3.

Full text of H-Statements referred to under sections 2 and 3.

Abbreviations and Acronyms

STOT

specific target organ toxicity SVHC

substance of very high concern UVCB

substance of unknown or variable composition, complex reaction products or biological materials vPvB

very persistent and very bioaccumulative

BCF bioconcentration factor

BOD biochemical oxygen demand

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging

CMR carcinogenic, mutagenic or toxic to reproduction

COD chemical oxygen demand

DNEL derived no-effect level

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

GHS Globally Harmonized System of Classification and Labelling of Chemicals

LC50 median lethal concentration

LOAEC lowest observed adverse effect concentration

LOAEL lowest observed adverse effect level

LOEL lowest observed effect level

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NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
OECD	Organisation for Economic Cooperation and Development
OEL	occupational exposure limit
PBT	persistent, bioaccumulative and toxic
REACH Auth. No.:	REACH Authorisation Number

Key literature references : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.

|| Indicates updated section.

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.