

## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 19.09.2025

Version number 107.15 (replaces version 107.14)

Revision: 18.09.2025

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

#### 1.1 Product identifier

**Trade name** Natriumbicarbonat venale**Other trade names:****Article number:** 1000313241002**CAS Number:**

144-55-8

**EC number:**

205-633-8

**REACH-Registration number** 01-2119457606-32

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

The substance is not classified as hazardous and/or is not subject to the obligation to prepare a chemical safety report under REACH, therefore no exposure scenarios are required for this safety data sheet.

#### Application of the substance / the mixture

Basic chemical (without special defined application)

Industrial / Professional use

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

STOCKMEIER Chemie GmbH & Co.KG, Am Stadtholz 37, DE - 33609 Bielefeld  
Tel.: +49 521 / 30 37-0, ehs-bielefeld@stockmeier.de

STOCKMEIER Fluids GmbH & Co. KG, Sanssouci 12, DE – 58802 Balve  
Tel.: +49 2375 917 310, fluids@stockmeier.com

BASSERMANN Minerals GmbH & Co. KG, Rudolf-Diesel-Straße 42, DE – 68169 Mannheim  
Tel.: +49 621 15 01 0, verkauf@bassermann.de

STOCKMEIER CHEMIA Sp. z o. o., ul. Obornicka 277, PL - 60-691 Poznań  
Tel.: +48 61 666 10 66, zamowienia@stockmeier.pl

STOCKMEIER QUIMICA, S.L.U., Avda. del Baix Llobregat, 3- 5, ES – 08970 Sant Joan Despí (Barcelona)  
Tel.: +34 93 506 91 83, tecnico-calidad@stockmeier.es

STOCKMEIER NETHERLANDS B.V., Ridderpoort 5, NL - 2984 BG Ridderkerk  
Tel.: +31 180 41 5988, info@stockmeier.nl

WigaChem GmbH - Brown-Boveri-Straße 6/1/22 - AT- 2351 Wiener Neudorf  
Tel. 00432236/623-40, office@wigachem.at, www.wigachem.at

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STOCKMEIER CHEMICALS BELUX SA/NV, Rue de la Station 17, BE – 1300 Limal  
Tel.: +32 10 421-320, info@stockmeierchemicalsbelux.com

HDS – Chemie Handels GES.M.B.H., Bauernmarkt 24, AT - 1010 Wien  
Tel.: +43 15 32 0 999, office@hds-chemie.at

www.stockmeier.com

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**Trade name Natriumbicarbonat venale**

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**Informing department:**

Product safety department. Tel.: 0049 / 521 / 3037-381

E-mail: ehs-bielefeld@stockmeier.de

**1.4 Emergency telephone number:**

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The substance is not classified, according to the CLP regulation.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Additional information:**

- Store in dry place -

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties** Not applicable.**SECTION 3: Composition/information on ingredients****3.1 Substances** Sodium hydrogen carbonate NaHCO<sub>3</sub>**CAS No. Designation:**

144-55-8 sodium hydrogencarbonate

**Identification no(s):****EC number:** 205-633-8**SVHC**This preparation does not contain any substances of very high concern (SVHC) in a concentration of  $\geq 0.1$  % according to Regulation (EC) 1907/2006, Article 57.**SECTION 4: First aid measures****4.1 Description of first aid measures****General advice:**

No special measures required.

If unconscious, position and transport in stable lateral position.

**After inhalation**

In case of inhalation of dust provide with fresh air. Wash face with water. Seek medical advice if symptoms persist.

Supply fresh air; consult doctor in case of symptoms.

After inhalation of product dust, supply fresh air and consult a doctor.

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**After skin contact** In general, the product is not irritating to the skin. Wash with soap and water.

**After eye contact** Rinse opened eye for 15 minutes under running water.

**After swallowing** Rinse out mouth and then drink plenty of water.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing agents

Product is non-flammable. Use fire fighting measure that suit the surroundings.

Use fire fighting measures that suit the environment.

### 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire:

carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

#### Protective equipment:

Adapt protective equipment to the surrounding fire.

Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Do not inhale dust.

**6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.

### 6.3 Methods and material for containment and cleaning up:

Take up mechanically and rinse off residues with water. Avoid formation of dust. Take up in suitable containers and send for recovery or disposal according to item 13.

### 6.4 Reference to other sections

No dangerous materials are released.

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

Open and handle container with care.

When dissolving, always put water in front and stir in the product.

#### Information about protection against explosions and fires:

Observance of the general rules of preventive operational fire protection.

With powdery organic substances, the danger of dust explosions must generally be expected.

Keep ignition sources away - Do not smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage** Store in cool, dry conditions in well sealed containers.

#### Requirements to be met by storerooms and containers:

Keep container tightly closed and dry.

Suitable material for containers and packaging: Paper, polyethylene, plastic-coated materials, steel.

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**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** Protect from humidity and keep away from water.**Storage class** 13 (TRGS 510)**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters****Components with critical values that require monitoring at the workplace:** Not required.**Additional information:** The lists that were valid during the compilation were used as basis.**8.2 Exposure controls****Appropriate engineering controls** Extraction required in case of dust formation.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

Do not inhale dust. Prevent formation of dust.

Gases, fumes and aerosols should not be inhaled.

**Breathing equipment:** Breathing protection to be used where a build-up of dust occurs.**Recommended filter device for short term use:** Filter P2**Hand protection**

Protective gloves and protective skin cream.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

Chloroprene rubber, CR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection** Wear suitable safety goggles in case of formation of dust.**Body protection:**

Standard protective work clothing. Chemical-resistant safety shoes or boots. If skin contact may occur, wear protective clothing impermeable to this substance.

Standard protective work clothing.

## \* SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Physical state**

Solid.

**Colour:**

White

**Smell:**

Odourless

**Odour threshold:**

Not determined.

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<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	Not determined
<b>Flammability</b>	Product is not inflammable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Product is non-flammable nor potentially explosive
<b>Decomposition temperature:</b>	> 50 °C
<b>pH</b>	8,1-8,4 not applicable
<b>pH-value:</b>	
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not applicable.
<b>dynamic:</b>	Not applicable.
<b>Solubility</b>	
<b>Water at 20 °C:</b>	93 g/l
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density and/or relative density</b>	
<b>Density at 20 °C</b>	2,159 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Settled apparent density</b>	1 kg/m <sup>3</sup>
<b>Vapour density</b>	Not applicable.
<b>Particle characteristics</b>	See section 3.

**9.2 Other information****Appearance:****Form:** Solid.**Important information on protection of health and environment, and on safety.****Self-inflammability:** Not determined.**Explosive properties:** Product is not potentially explosive**Molecular weight** 84,01 g/mol**Evaporation rate** Not applicable.**Information with regard to physical hazard****classes****Explosives** Void**Flammable gases** Void**Aerosols** Void**Oxidising gases** Void**Gases under pressure** Void**Flammable liquids** Void**Flammable solids** Void**Self-reactive substances and mixtures** Void**Pyrophoric liquids** Void**Pyrophoric solids** Void**Self-heating substances and mixtures** Void**Substances and mixtures, which emit flammable****gases in contact with water** Void**Oxidising liquids** Void**Oxidising solids** Void

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Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void
molecular weight (weight average/Mw):	84,01 g/mol

### SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

#### 10.2 Chemical stability

##### Thermal decomposition / conditions to be avoided:

To avoid thermal decomposition do not overheat.

Thermal decomposition produces carbon dioxide and sodium carbonate.

**10.3 Possibility of hazardous reactions** With acids, development of carbon dioxide.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** Acids

**10.6 Hazardous decomposition products:** Carbon dioxide and sodium carbonate.

### \* SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity** Based on available data, the classification criteria are not met.

##### LD/LC50 values that are relevant for classification:

Oral	LD50	>4000 mg/kg (rat)
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##### Primary irritant effect:

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

##### Subacute to chronic toxicity:

In vitro, no mutagenic effect.

Oral administration (feeding), 10 days, various species, 330 mg/kg, no teratogenic effect.

#### 11.2 Information on other hazards

**Endocrine disrupting properties** Substance is not listed.

### \* SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

LC 50 / 96 h	7700 mg/l (Oncorhynchus mykiss)
	7100 mg/l (Lepomis macrochirus)
	7550 mg/l (Gambusia affinis)
EC 50 / 48 h	2350-4100 mg/l (Daphnia magna)

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NOEC / 96 h	2300 mg/l (Oncorhynchus mykiss)
	5200 mg/l (Lepomis macrochirus)
NOEC	>576 mg/l (Daphnia magna) (21d)

**12.2 Persistence and degradability** There is no information on the product available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

#### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

#### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

#### 12.7 Other adverse effects

##### Additional ecological information:

##### General notes:

Do not allow to enter drainage system, surface or ground water

Water hazard class 1 (Assessment by list): slightly hazardous for water.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Can be burnt with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

Disposal in accordance with official regulations.

#### Waste disposal key number:

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.

**Uncleaned packagings:** Disposal in accordance with official regulations.

#### Recommendation:

Empty containers completely and send them cleaned for reconditioning or recycling. Dispose of containers only in consultation with local authorities.

**L e v e l o p m e n t :** After optimal emptying, immediately return to the supplier tightly closed and without cleaning. Make sure that no foreign matter gets into the packaging!

Other containers: Empty completely and clean for reconditioning or reprocessing.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID, IMDG, IATA

Void

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA

Void

### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA

Class

Void

### 14.4 Packing group

ADR/RID, IMDG, IATA

Void

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<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
<b>UN "Model Regulation":</b>	Void

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**Labelling according to Regulation (EC) No 1272/2008** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** Substance is not listed.

**LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)** Substance is not listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

Substance is not listed.

**REGULATION (EU) 2019/1148**

**Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

**National regulations**

**Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

**Other regulations, limitations and prohibitive regulations**

**Substances of very high concern (SVHC) according to REACH, Article 57** Substance is not listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2023/707.

**Department issuing data specification sheet:** See section 1.3: Responding area

**Date of previous version:** 12.11.2024

**Version number of previous version:** 107.14

**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

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

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IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

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

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

**\* Data compared to the previous version altered.**

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