

# SAFETY DATA SHEET ACC. TO EU REG. 1907/2006 (REACH)

## Sodium carbonate

Version: 1401

### 1. IDENTIFICATION OF SUBSTANCE AND COMPANY

Product identifier

Name of the product

**SODIUM CARBONATE**

**Soda, ash light and dense**

Formula

**Na<sub>2</sub>CO<sub>3</sub>**

Form:

powder

Colour:

white

Smell:

without

CAS No.:

497-19-8

Identification of Manufacturer/Supplier

#### Supplier



**buXtrade**

**Healthy food ingredients and more..**

**Tel.: 04161-8004179**

**Mail: info@buxtrade.de**

**www.buxtrade.de**

### 2. HAZARDS IDENTIFICATION

Classification according to 67/548/EEC or 1999/45/EC, Category 2.

Label elements:

- GHS symbols / Hazard pictograms (EU Regulation no. 1272/2008)



**Signal word: Warning**

#### · **Prevention:**

Wear protective gloves, eye protection and protective clothing.

#### · **H-phrases:**

H319 Causes eye burns and damage.

#### · **P-phrases:**

P264 Wash hands after work

P280 Wear protective gloves, protective clothing, eye protection

P305 + 351 + 338 Rinse cautiously with water for several minutes

P337 + P313 Contact medical assistance

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Product name	concentration
Sodium carbonate	≥ 99 % w/w

CAS No: 497-19-8

EC No: 207-838-8

Index No: 011-005-00-2

EG No: 207-838-8

MG: 105.99 g/mol

Formula (Hill): Na<sub>2</sub>CO<sub>3</sub>

### 4. FIRST AID MEASURES

Inhalation

- Fresh air, call for medical assistance

- rinse mouth and nose with plenty of water. Fresh air.

Eye contact

- Rinse with plenty of water keeping eyelids open, seek medical assistance.

Skin contact

- Wash off with plenty of water.

After swallowing

- Make victim drink water, call for medical assistance

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

- Material is not inflammable, all media are usable.

Unsuitable extinguishing media:

- not given

Special hazards arising from the substance

- no special measures necessary.

Advice for firefighters

- no special advices.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions and emergency procedures

- See section 8.
- Avoid dust.

Environmental precautions

- do not empty into drains.
- special disposal , code no. 515 08

Methods and materials for containment and cleaning

- collect product mechanically, avoid dust.
- clean up with plenty of water
- for disposal see sector 13.

## 7. HANDLING AND STORAGE

Handling

- observe label precaution
- keep away from water and acids

Storage

- Keep container closed in a dry and cool place. Optimal storage temperature: 0–20 °C
- Do not store with acids and solvents.

Further advices

- Observe protection advices acc. to sector 8.
- Inform staff about product risks.
- Avoid dust.

Packing information

- Paper bags with PE (Polyethylene) sheet.
- PE bags, woven fabric bags with PE inliner.
- Big bags with and without inliners of PE

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit:** (TWA) 10 mg/m<sup>3</sup>

**Exposure controls:**

Breathing protection

- Use dust filter P2

Hands protection

- Use protection gloves and clothing acc to 89/686/EWG / EN374 (Neopren/Natural latex)

Eye / face protection

- Tightly fitting safety goggles.

Skin protection

- Use normal protective clothing.

Hygiene measures

- Change contaminated clothing, wash hands and skin after working with the substance.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder or granulated
Colour:	White
Smell:	Without smell
Flammability	- no information.
Melting point:	851 °C
Density	- Bulk density 500–1150 kg/m <sup>3</sup> - Density 2.533 g/cm <sup>3</sup> at 20 °C.
Water solubility:	220 g/l at 20 °C
pH:	11.16 at 4.0 g/l H <sub>2</sub> O and 25 °C
Mol weight:	106 g/mol

### 10. STABILITY AND REACTIVITY

Stability  
- Stable under standard ambient conditions

Violent reactions possible with  
- Acids, Zinc, Aluminium (fine)

Conditions to avoid  
- Heat, humidity.

Hazardous decomposition products: not known

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity  
- Orale dose: LD<sub>50</sub>, Rat: 2800 mg/kg  
- Inhalative dose: LC<sub>50</sub>, Rat: 2.3 mg/l /2 h  
- Dermal dose: LD<sub>50</sub>, Rabbit: 2000 mg/kg

Risks of acute irritation  
- Causes irritation when inhaling dust, eye and skin irritation  
- Risk of serious damage to eyes  
- Pain in mouth, throat and nose. Can cause nosebleed.

### 12. ECOLOGICAL INFORMATION

Acute ecological toxicity  
- Fish, *Lepomis macrochirus*, LC<sub>50</sub>, 96 h – 300 mg/l  
- Fish, *Gambusia affinis*, LC<sub>50</sub>, 96 h – 740 mg/l  
- Daphnia /*Ceriodaphnia dubia*, EC<sub>50</sub>, 48 h – 200 – 227 mg/l

Mobility: in water fully soluble

Persistence and degradability: Readily biodegradable. Shift of pH to 8.

### 13. DISPOSAL CONSIDERATIONS

Waste treatment methods  
- take the product mechanically, avoid dust.  
- Disposal acc. to local regulations.  
- Packing material: domestic refuse (fully empty)

### 14. TRANSPORT INFORMATION

No special ADR / RID / IATA / IMDG regulation - not classified as dangerous product

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### 15. REGULATORY INFORMATION

• **Labelling according to GHS** (*Globally Harmonized System of Classification and Labelling of Chemicals*):  
The product is listed in GHS, not classified as dangerous .

- **Pictogram:** GHS07
- **Signal word:** Warning



Warning

- **H phrase:**  
H319 Causes serious eye irritation.
- **P phrases :**  
P 264 + P280 Wash hands after working with the product. Use wear protective gloves, protective clothing, eye protection and face protection.  
P305 +P351 + P338 Rinse cautiously with water for several minutes.  
P337 + P313 Continue rinsing when still burning.  
Seek medical advice in case of serious irritation.
- **Labelling according to EU directions:**  
The product is named and labeled as per EU direction /GefStoffV.
- **Labelling and danger sign:** Xi irritant
- **R phrase:** 36 Eye irritation
- **S phrases :** 2 Keep away from children  
22 Do not breathe the dust  
26 In case of contact with the product rinse with water and contact medical service.  
46 In case of swallow contact medical advice immediately and show label .
- **National regulations:** storage class VCI 10–13 (other liquids and solids)

### 16 . OTHER INFORMATION

not available