

# Sodium Carbonate

## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Identification

**Product name** : Sodium Carbonate  
**Product form** : Substance  
**EC number** : 207-838-8  
**CAS-No.** : 497-19-8  
**Formula** : Na<sub>2</sub>CO<sub>3</sub>

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

**Recommended use** : To raise the pH in industrial water treatment applications, swimming pools and spas.

#### 1.3. Supplier

FARSA Group Ltd  
[Sales@farsagroup.az](mailto:Sales@farsagroup.az)

#### 1.4. Emergency contacts

**Emergency number** : +994512707856

### SECTION 2: Hazard(s) identification

**Pictogram** :



**Signal word** : Warning  
**Hazard classification** : Serious Eye Damage/Irritation - Category 2A  
**Hazard statement** : H319 Causes serious eye irritation.  
**Prevention precautionary statements** : P102 Keep out of reach of children.  
P103 Read label before use.  
P264 Wash hands, face and all exposed skin thoroughly after handling.  
P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.  
**Response precautionary statements** : P101 If medical advice is needed, have product container or label at hand.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

### SECTION 3: Composition/information on ingredients

Name	CAS No.	Proportion
Sodium Carbonate	497-19-8	>90%

### SECTION 4: First-aid measures

**Inhalation** : Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.  
**Skin contact** : If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.  
**Eye contact** : If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.  
**Ingestion** : Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

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Notes to physician : Treat symptomatically.

### SECTION 5: Firefighting measures

**Suitable extinguishing media** : If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards** : Non-combustible material.

**Fire fighting further advice** : Not applicable.

### SECTION 6: Accidental release measures

**Small spills** : Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

**Large spills** : Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

### SECTION 7: Handling and storage

**Handling** : Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust.

**Storage** : Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.

### SECTION 8: Exposure controls/personal protection

National occupational exposure limits:

Inspirable dust	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
	-	10	-	-

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.  
STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological limit values** : As per the "National Model Regulations for the Control of Workplace Hazardous Substances" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering measures** : Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well-ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask.

**Personal protection equipment** : SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES, DUST MASK.

Wear safety shoes, overalls, gloves, chemical goggles, dust mask. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures** : Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.

### SECTION 9: Physical and chemical properties

<b>Form</b>	Crystalline solid	<b>Vapour pressure (20 °C)</b>	Not applicable
<b>Colour</b>	Opaque white	<b>Flash point (°C)</b>	Not applicable
<b>Odour</b>	Odourless	<b>Flammability limits (%)</b>	Not applicable
<b>pH</b>	Not available	<b>Autoignition temperature (°C)</b>	Not applicable
<b>Solubility</b>	Soluble in water	<b>Melting Point/Range (°C)</b>	851
<b>Specific gravity (20 °C)</b>	2.53 (compressed solid)	<b>Boiling Point/Range (°C)</b>	Not available
<b>Density</b>	Not available	<b>Viscosity</b>	Not applicable
<b>Relative Vapour Density (air=1)</b>	Not applicable	<b>Total VOC (g/litre)</b>	Not available

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### SECTION 10: Stability and reactivity

<b>Chemical stability</b>	: This material is thermally stable when stored and used as directed.
<b>Conditions to avoid</b>	: Elevated temperatures and sources of ignition. Material is hygroscopic - avoid exposure to moisture.
<b>Incompatible materials</b>	: Acids. Avoid contact with finely divided aluminium.
<b>Hazardous decomposition products</b>	: Carbon dioxide and carbon monoxide.
<b>Hazardous reactions</b>	: Reacts exothermically with strong acids evolving carbon dioxide.

### SECTION 11: Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

#### Acute effects

<b>Inhalation</b>	: Material may be an irritant to mucous membranes and respiratory tract.
<b>Skin contact</b>	: Contact with skin may result in irritation.
<b>Ingestion</b>	: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
<b>Eye contact</b>	: An eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

#### Acute toxicity

<b>Inhalation</b>	: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >5 mg/L
<b>Skin contact</b>	: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg
<b>Ingestion</b>	: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg
<b>Corrosion/Irritation</b>	: Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes). Skin: this material has been classified as not corrosive or irritating to skin.
<b>Sensitisation</b>	: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.
<b>Aspiration hazard</b>	: This material has been classified as non-hazardous.
<b>STOT (single exposure)</b>	: This material has been classified as non-hazardous.

#### Chronic toxicity

<b>Mutagenicity</b>	: This material has been classified as non-hazardous.
<b>Carcinogenicity</b>	: This material has been classified as non-hazardous.
<b>Reproductive toxicity (including via lactation)</b>	: This material has been classified as non-hazardous.
<b>STOT (repeat exposure)</b>	: This material has been classified as non-hazardous.

### SECTION 12: Ecological information

Avoid contaminating waterways.

<b>Acute aquatic hazard</b>	: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L.
<b>Long-term aquatic hazard</b>	: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log $K_{ow}$ < 4.
<b>Ecotoxicity</b>	: No information available.
<b>Persistence and degradability</b>	: No information available.
<b>Bioaccumulative potential</b>	: No information available.
<b>Mobility</b>	: No information available.

### SECTION 13: Disposal considerations

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

### SECTION 14: Transport information

<b>Road and rail transport</b>	: Not classified as dangerous goods.
<b>Marine transport</b>	: Not classified as dangerous goods.
<b>Air transport</b>	: Not classified as dangerous goods.

### SECTION 15: Regulatory information

This material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006.

<b>Other regulations</b>	: Take note of Dir 94/33/EC on the protection of young people at work.
<b>Chemical safety assessment</b>	: A Chemical Safety Assessment has been carried out for this substance.

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### SECTION 16: Other information

#### **Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text