



SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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sodium carbonate

Revision 14

Revision date 2022-11-22

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

1.1. Product identifier

Product name	sodium carbonate
REACH Registration Number	01-2119485498-19
Other means of identification	Sodium Carbonate, Soda Ash Light.
CAS No.	497-19-8
EC No.	207-838-8
Index No.	011-005-00-2
Product code	SHP 216

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen);
Description	Glass Chemical Intermediate Water Treatment Detergent. metallurgy.

1.3. Details of the supplier of the safety data sheet

Company	Superfine Manufacturing Ltd
Address	Orchardbank Industrial Estate Forfar Angus Scotland DD8 1TD
Web	www.superfine.co.uk
Telephone	Tel: 01307 463538
Fax	Fax: 01307 468505
Email address of the competent person	nigel@superfine.co.uk

1.4. Emergency telephone number

Emergency telephone number	01307 463538 8.30am to 17.00pm For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice) If you are a healthcare professional with an enquiry please visit www.TOXBASE.org
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.2. Classification - EC 1272/2008	Eye Irrit. 2: H319;
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2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	P264 - Wash contaminated skin thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	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.

2.3. Other hazards

Other hazards	This substance is not classified as PBT or vPvB according to current EU criteria. The substance/mixture does not contain substances with endocrine disrupting properties.
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Further information

	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
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SECTION 3: Composition/information on ingredients

3.1. Substances

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
sodium carbonate	011-005-00-2	497-19-8	207-838-8	01-2119485498-19	90 - 100%	Eye Irrit. 2: H319;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash with water and soap as a precaution.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

Inhalation	Irritation of nose, throat and airway.
Eye contact	Causes serious eye irritation.
Skin contact	Prolonged skin contact may cause redness and irritation.
Ingestion	Irritation. Nausea, vomiting. Diarrhoea.

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

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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5.1. Extinguishing media

This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials. Do NOT use water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.

5.3. Advice for firefighters

Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Further information

In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment. Provide adequate ventilation. Avoid contact with eyes and skin. Avoid inhalation of vapour or spray/mist.

6.2. Environmental precautions

Advise local authorities if large spills cannot be contained. Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

See section 2, 7, 8, 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Provide adequate ventilation. Avoid generation and spreading of dust. Avoid spilling. Avoid inhalation of dust. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Glass Chemical Intermediate Water Treatment Detergent. metallurgy.

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.
No workplace exposure limits applicable.

DNEL: Derived no-effect level.

Exposure Pattern - Workers

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Exposure Pattern - Workers

sodium carbonate	Long-term - inhalation - Systemic effects 10 mg/m ³
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Exposure Pattern - General population

sodium carbonate	Acute inhalation - Local effects 10 mg/m ³
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8.2. Exposure controls

8.2.1. Appropriate engineering controls Eye / face protection Skin protection - Handprotection Skin protection - Other Respiratory protection 8.2.3. Environmental exposure controls	
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Handle in accordance with good industrial hygiene and safety practice.
	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.
	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.
	The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. The selected gloves should have a breakthrough time of at least 8 hours. Neoprene. Rubber (natural, latex). glove thickness 0.11mm To protect hands from chemicals, gloves should comply with European Standard EN374.
	Wear suitable protective clothing.
	If ventilation is inadequate, suitable respiratory protection must be worn. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m ³ . EN 136/140/141/145/143/149.
	Prevent further leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Powder/Crystals.
Colour	White
Odour	Odourless
Odour threshold	No data available
pH	> 11 10% Solution
Melting point	851 °C
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative Vapour Density	No data available
Density / Relative Density	2.52 (H ₂ O = 1 @ 20 °C)
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	> 400 °C
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	Not relevant
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

9.2.1. Information with regard to physical hazard classes

	No data is available on this product.
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9.2.2. Other safety characteristics

	No data is available on this product.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	The following materials may react with the product: Acids.
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10.2. Chemical stability

	Stable under normal conditions. Use as recommended.
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10.3. Possibility of hazardous reactions

	No data is available on this product.
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10.4. Conditions to avoid

	Avoid excessive heat for prolonged periods of time. Moisture.
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10.5. Incompatible materials

	Strong acids. Aluminium.
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10.6. Hazardous decomposition products

	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or
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10.6. Hazardous decomposition products

vapours. Oxides of the following substances: Carbon.

SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity	Acute toxicity oral (LD ₅₀) - 2800.0 mg/kg. Acute toxicity dermal (LD ₅₀) - 2000.0 mg/kg. Acute toxicity inhalation (LC ₅₀ dust/mist) - 2300.0 mg/l. ATE inhalation (dusts/mists) - 2300.0 mg/l.
Skin corrosion/irritation	No irritating.
Serious eye damage/irritation	Eye Irritation category 2 - Causes serious eye irritation.
Respiratory or skin sensitisation	No information available.
Germ cell mutagenicity	This substance has no evidence of mutagenic properties.
Carcinogenicity	No evidence of carcinogenicity in animal studies.
Reproductive toxicity	No evidence of reproductive toxicity in animal studies.
STOT-single exposure	No information available.
STOT-repeated exposure	No information%.
Aspiration hazard	No information available.
Repeated or prolonged exposure	based on available data the classification criteria are not met.

11.1.2. Mixtures

No data available.

11.1.3. Hazard Information

No data available.

11.1.4. Toxicological Information

sodium carbonate	Dermal Rat LD50: 2000.0 mg/kg Inhalation Rat LC50/4 h: 2300.0 mg/l	Oral Rat LD50: 2800.0 mg/kg
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Further information

No data is available on this product.

SECTION 12: Ecological information

12.1. Toxicity

sodium carbonate	Daphnia EC50/48h: 200.0000 mg/l	Fish LC50/96h: 300.0000 mg/l
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12.2. Persistence and degradability

The product contains mainly inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

This product does not contain any substances expected to be bioaccumulating.

Partition coefficient

sodium carbonate No data available

12.4. Mobility in soil

This product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not applicable. Substance is inorganic.

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12.6 Endocrine disrupting properties

Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

General information

Dispose of in compliance with all local and national requirements.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the

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15.2. Chemical safety assessment

supplier.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:.

- 2 - Other hazards.
- 2 - 2.1.2. Classification - EC 1272/2008.
- 2 - Hazard pictograms.
- 2 - Signal Word.
- 2 - Further information.
- 9 - 9.2.2. Other safety characteristics.
- 9 - 9.2.1. Information with regard to physical hazard classes.
- 11 - Repeated or prolonged exposure.
- 11 - Further information.
- 15 - Regulations.

Text of Hazard Statements in Section 3

Eye Irrit. 2: H319 - Causes serious eye irritation.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.