

MSDS

SODA ASH DENSE

According to Regulation (EC) No 1907/2006, Annex II, as amended.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.
Commission Regulation (EU) 2020/878 of 18 June 2020.

SECTION1: Identification of substance /mixture and of the company/undertaking

1.1. Product identifier

Product name	Sodium carbonate
EU REACH registration number	01-2119485498-19-0012
CAS number	497-19-8
EU index number	011-005-00-2
EC number	207-838-8
Synonyms, trade names	heavy soda ash, soda salt, disodium carbonate

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

Identified uses Glass production, detergent production, chemical production, paper pulp and paper, water and waste water treatment, flue gas desulphurization

Uses advised against No specific uses advised against are identified.

1.3. Details of the Supplier of the safety data sheet

Supplier	SAISA CHEMICALS
Address	C. JUAN HURTADO DE MENDOZA 15, 1º POST 28036 MADRID (SPAIN)
Phone	+34 91345 94444
Email	saixa@saixa.es
Emergency phone number	+34 9156 20420

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 N° 720)	
Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 -H319
Environmental hazards	Not Classified

2.2. Label elements

EC number	207-838-8
Hazard statement	



Signal Word
Hazard statements
Precautionary statements

Warning
H319 Causes serious eye irritation
P264 Wash contaminated skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection
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

This substance is not classified as PBT or vPvB according to current UK criteria

SECCIÓN 3: Composition/information on ingredients

3.1. Substances

Product name	Sodium carbonate
Chemical name	Sodium carbonate
CAS number	497-19-8
EU index number	011-005-00-2
EC number	207-838-8
Chemical formula	Na ₂ CO ₃
Composition comments	> 99.5%

3.2. Mixtures

Description	NA
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SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water. Take off contaminated clothing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	See section 11 for additional information on health hazards. The severity of the symptoms described will very depend on the concentration and the length of exposure.
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Inhalation	Dust can irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	Irritating to eyes

4.3. Indication of any immediate attention and special treatment need

Notes for the doctor	Treat symptomatically
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use foam, carbondioxide, dry powder or water fog to extinguish
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	None known
Hazardous combustion products	Thermal decomposition of combustion, products may include the following substances: harmful gases o vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk if water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear a positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Regular firefighting clothing, such as an open-air compressed breathing apparatus (EN 137), fire-fighting suit (EN469), firefighting gloves (EN 659), and fire-fighting boots (HO A29 or A30).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material.
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6.2. Environmental precautions

Environmental precautions

Large Spillages: inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air)

6.3. Methods and material for containment and cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Approach the spillage from upwind. Avoid generation and spreading of dust.

Small Spillages: remove spillage with vacuum cleaner or collect with a shovel and broom or similar.

Large Spillage: collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and Hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Neutralise with acid. Caution. May generate heat. Following dilution and neutralisation, discharge to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority

6.4. Reference to other sections

Reference to other sections

For personal protection, see section 8, see section 11 for additional information on health hazards. See section 12 for additional information on ecological hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Avoid handling which leads to dust formation. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in accordance with local regulations. Store away from the following materials: acids. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in section 1.2

SECTION 8: Exposure control/s personal protection

8.1. Control parameters

Long Term Exposure Limit (8 hour TWA): OSHA 15 mg/m³ total dust
 Long Term Exposure Limit (8 hour TWA): OSHA 5 mg/m³ respirable dust
 OSHA= occupational health and safety administration

8.2. Exposure control

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if workers exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the date specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended. Wear protective gauntlets made of the following material: butyl rubber. Nitrile rubber.

Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible. Wear suitable coveralls to prevent exposure to the skin. Provide eyewash station and safety shower.

Hygiene measures

Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations, should be carried out. Warn cleaning personnel of any hazardous properties of the product.

Respiratory protection

Respiratory protection complying with and approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. Wear a suitable dust mask. Ensure all respiratory protective equipment is suitable for its intended use and is "UKCA"-marked. Check that the respiratory fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used.

Environmental exposure controls:

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid. Granules
Colour	White
Odour	Odourless
Odour threshold	No information available
pH	pH (diluted solution): 11.4 (1%)
Melting point	851°C/1564°F
Initial boiling point and range	NA
Flash point	NA
Evaporation rate	NA
Flammability (solid, gas)	NA
Upper/lower flammability or explosive limits	No information available
Vapour pressure	NA
Vapour density	NA
Relative density	2.509
Bulk density	No information available
Solubility (ies)	212.5 g/l water @ 20°C
Partition coefficient	NA
Auto-ignition temperature	NA
Decomposition temperature	No information available
Viscosity	NA
Explosive properties	Not considered to be explosive
Oxidizing properties	There are no chemical groups present in the product that are associated with oxidising properties.
Particle characteristics	No information available

9.2. Other information

Other information

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product

10.2. Chemical stability Stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

No potentially hazardous reaction known.

10.4. Conditions to avoid

Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Material to avoid

Acids anhydrides. Acids. Phenols, aerosols.

10.6. Hazardous decomposition products

Hazardous decomposition products:

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on Hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity-oral (LD ₅₀ mg/kg)	2.800.0
Species	Rat
Notas (oral LD ₅₀)	Bases on available data the classification criterio are not met
ATE oral (mg/kg)	2.800.0
Acute toxicity-dermal	
Notes (dermal LD ₅₀)	Bases on available data the classification criterio are not met LC ₅₀ >2000 mg/kg, dermal, rabbit
Acute toxicity-inhalation	
Notes (inhalation LC ₅₀)	Bases on available data the classification criterio are not met LC ₅₀ >800 mg/kg, inhalation, pig LC ₅₀ >1200 mg/kg, inhalation, mouse LC ₅₀ >2300 mg/kg, inhalation, rat
Skin corrosión/irritation	Bases on available data the classification criterio are not met
Serious eye damage/irritation	Causes serious eye irritation problems. Rabbit
Respiratory sensitisation	Bases on available data the classification criterio are not met
Skin sensitisation	Bases on available data the classification criterio are not met
Germ cell mutagenicity	Bases on available data the classification criterio are not met
Carcinogenicity	Bases on available data the classification criterio are not met
Reproductive toxicity (fertility)	Bases on available data the classification criterio are not met
Reproductive toxicity (development)	Bases on available data the classification criterio are not met
Specific target organ toxicity-single exposure	Not classified as a specific target organ toxicant after a single exposure
Specific target organ toxicity-repeated exposure	No
Aspiration hazard	It is not relevant. Solid
General information	Dust may irritate eyes and respiratory system. The severity of the symptoms described will vary depending on the concentration and duration of exposure.
Inhalation	Dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting
Skin contact	Prolonged contact may cause dryness of the skin.

Eye contact

Route of exposure

Target organs

Irritating to eyes.

Ingestion, inhalation, skin and /or eye contact

No specific target organs known

11.2. Information on other hazards

This product does not contain any known or suspected endocrine disruptors.

SECTION 12: Ecological information

Ecotoxicity

Not regarded as dangerous for the environment. However, large or frequent spills can have harmful effects on the environment.

12.1. Toxicity

Toxicity

Acute aquatic toxicity

Based on available data the classification criteria are not met.

Acute toxicity-fish

LC₅₀, 96 hour: 300 mg/l, *Lepomis macrochirus* (bluegill)

Acute toxicity-aquatic

EC₅₀, 48 hours, 0.16 mg/daphnia magna

12.2. Persistence and degradability

Persistence and degradability

The product contains only inorganic substances that are not biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential

Partition coefficient

No data available in bioaccumulation
NA

12.4. Mobility in soil

Mobility

No information available

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Endocrine disrupting properties

The product does not contain any endocrine disrupting substances

12.7. Other adverse effects

No information available

SECTION 13: Disposal consideration

13.1. Waste treatment methods

General information

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or lines may retain some product residues and hence be potentially hazardous.

Disposal methods

This material and its container must be disposed of as hazardous waste. Dispose of surplus products and those that cannot be recycled via a licensed waste contractor. Waste, residues, empty, containers, discarded work clothes and contaminated cleaning materials should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)
14.1. UN number or ID number	NA
14.2. UN proper shipping name	NA
14.3. Transport Hazard class (es)	No transport warning sign required
14.4. Packing group	NA
14.5. Environmental hazards	Environmentally hazardous substance/marine pollutant
14.6. Special precautions for user	NA
14.7. Maritime transport in bulk according to IMO instruments	NA

SECTION 15: Regulatory information

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

National regulations	<p>Health and Safety at Work etc Act 1974 (as amended)</p> <p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 N° 1348)(as amended) (CDG 2009)</p> <p>EH40/2005 Workplace exposure limits</p> <p>Commission Regulation (EC) N° 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)</p> <p>Regulation (EC) N° 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).</p> <p>Commission Regulation (EU) 2020/878 of 18 June 2020</p>
Authorisations (SI 2020 N° 1577 Annex XIV)	No specific authorisations are known for this product
Restrictions (Annex XVII Regulation 1907/2006)	No specific restrictions on use are known for this product
Seveso Directive -Control of major accident Hazard	Not relevant

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and cronyms used
in the safety data sheet

STEL: Short Term Exposure Limits
TWA: Time Weighted Average
OSHA: Occupational safety and Health Administration
OEL: Occupational Exposure Limit
EC N°: The European Community number
CAS: Chemical Abstracts service
ATE: Acute Toxicity Estimate
LC50: Lethal Concentration to 50% of a test population
LD50: Lethal Dose to 50% of a test population
PBT: Persistent, Bioaccumulative and Toxic substance

vPvB: very Persistent and very Bioaccumulative

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: European Agreement concerning the International Carriage of Dangerous Goods by inland waterways

IATA: International Air Transport Association

ICAO: technical instructions for the safe transport of dangerous goods by air

IMDG: International Maritime Dangerous Goods

Key literature references and sources

for data

Source: European Chemicals Agency, <http://echa.europa.eu/>

This SDS is prepared based in the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect prepared of SDS and pecuniary loss on intangible damages because of deficient or wrong information and documents which comes from product owner.

Training advice

Read and follow manufacturer's recommendations. Only trained personnel should use this material.

Revision comments

SDS has been revised under the current regulations

SDS number

5212

Hazard statements in full

H319 Causes serious eye irritation

saisa
chemicals