

TECHNICAL DATA SHEET

Sodium Carbonate (Soda Ash)

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

Product Name: SODIUM CARBONATE LIGHT

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

COMPOSITION AND INFORMATION ABOUT THE CONSTITUENTS

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
sodium carbonate	100%	497-19-8	207-838-8	H319, R36	GHS07, Xi

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name of Supplier: JAK Water Systems Ltd

Address of Supplier: Unit 1, Scopwick Lodge, Scopwick Heath, Metheringham, Lincolnshire, LN4 3DL, UK

Telephone: 01526 322214

Fax: 01526 322248

Email: sales@jakwater.co.uk

IDENTIFICATION OF THE HAZARDS

Classification of the substance or mixture

- Eye Irrit. 2

Label elements

- Signal Word: Warning
- Symbols: Xi

Hazard phrases

- Causes serious eye irritation.

Precautionary Phrases

- Avoid breathing dust.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wear respiratory protection.

Risk Phrases

- Irritating to eyes (R36)

Safety Phrases

- Do not breathe dust (S22)
 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
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FIRST AID MEASURES

Description of first aid measures

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Seek medical attention if irritation persists

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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Seek immediate medical attention
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- Seek medical attention if symptoms persists
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Seek medical advice

Most important symptoms and effects, both acute and delayed

- Causes severe eye irritation.

Indication of immediate medical attention and special treatment needed

- Treat symptomatically.

FIREFIGHTING MEASURES

Extinguishing media

- In case of fire use carbon dioxide or dry agent (S43)

Special hazards arising from the substance or mixture

- In case of fire, toxic gases may be formed.

Advice for firefighters

- Wear chemical protection suit and self-contained breathing apparatus

MEASURES WITH THE ACCIDENTAL RELEASE OF THE SUBSTANCE OR PREPARATION

Personal precautions, protective equipment and emergency procedures

- Avoid raising dust.
- Ensure adequate ventilation of the working area.
- Wear suitable protective equipment.

Environmental Precautions

- Do not allow product to enter drains.
- Prevent further spillage if safe.

Methods and material for containment and cleaning up

- Sweep up.
- Transfer to suitable, labelled containers for disposal.
- Clean spillage area thoroughly with plenty of water.

Reference to other sections

HANDLING AND STORAGE

Precautions for safe handling

- Avoid contact with eyes and skin.
- Ensure adequate ventilation of the working area.
- Adopt best Manual Handling considerations when handling, carrying and dispensing.

Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated area.
- Keep containers tightly closed.
- Store in correctly labelled containers.

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Specific end use(s)

MEASURES TO CONTROL EXPOSURE/PERSONAL PROTECTION

- Engineering measures: Ensure adequate ventilation of the working area.
 - Respiratory protection: Wear: Suitable respiratory equipment.
 - Hand Protection: Chemical resistant gloves (PVC).
 - Eye Protection: Approved safety goggles.
 - Protective equipment: Wear chemical protective clothing
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PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- Description: Powder.
 - Colour: White
 - Odour: Odourless.
 - pH: 11.6
 - Flammable limits: Non flammable.
 - Relative density: 1
 - Melting point: 851°C
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STABILITY AND REACTIVITY

Reactivity

- No hazardous reactions if stored and handled as indicated.

Chemical stability

- Stable under normal conditions.

Possibility of hazardous reactions

- Will not polymerise.
- Reacts with acids.
- Reaction products may include carbon dioxide

Conditions to avoid

- Keep away from heat and moisture

Incompatible materials

- Acids
- Aluminium powder.

Hazardous Decomposition Products

TOXICOLOGICAL INFORMATION

- SODIUM CARBONATE LIGHT: Oral Rat LD50 = 4090
 - Acute toxicity: Ingestion may cause nausea and vomiting.
 - Corrosivity: Irritating to eyes, respiratory system and skin.
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ECOLOGICAL INFORMATION

Toxicity

- LC50 (fish) 300 mg/l (96 hr)

Persistence and degradability

- Will disperse as ions.

Bioaccumulation Potential

- Does not bioaccumulate.

Mobility in soil

- Soluble in water.

Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

Other Adverse Effects

INSTRUCTIONS FOR DISPOSAL

Waste treatment methods

- General information: Dispose of in compliance with all local and national regulations.
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INFORMATION WITH RESPECT TO TRANSPORTATION

UN Number

UN Proper Shipping Name

Transport hazard class(es)

Packing group

Environmental hazards

Special precautions for user

- Further information: This product is not classified as dangerous for carriage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Other information

Emergency Action Code

Proper Shipping Name:

EAC:

Sea (IMDG)

Proper Shipping Name:

IMDG UN No.:

IMDG Hazard Class.:

IMDG Pack Group.:

IMDG MFAG:

Air (ICAO/IATA)

Proper Shipping Name:

ICAO Un No.:

ICAO Hazard Class.:

ICAO Packing Group.:

REGULATORY INFORMATION

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

Chemical Safety Assessment

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Other information

Text of R and S phrase codes used in this safety data sheet:- H319: Causes serious eye irritation.; R36: Irritating to eyes.

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. The 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.