

## SODA ASH LIGHT

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

#### 1.1. Identification of the substance

Product name:	Soda ash
Chemical name:	Soda ash
Synonyms, names:	Soda dense, soda salt, soda ash.
REACH registration number:	01-2119485498-19-0013
CAS number :	497-19-8
EU index number:	011-005-00-2
CE number :	207-838-8

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

Identified uses:	Glass manufacturing, detergent manufacturing, chemical manufacturing, pulp and paper. Water and wastewater treatment, flue gas desulfurization.
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#### 1.3. Details of the supplier of the safety data sheet.

Supplier:	SAISA CHEMICALS S.A.
Address:	C/ Juan Hurtado de Mendoza 15, 28036 (Madrid), España.
Phone number:	0034 91 345 94 44
E-mail:	<a href="mailto:saisa@saisa.es">saisa@saisa.es</a>

#### 1.4. Emergency number

Número de teléfono:	0034 91 562 04 20
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### SECTION 2: Hazard Identification

#### 2.1. Classification of the substance or mixture

Classification:	In accordance with regulation (EC) No 1272/2008 (CLP/GHS)
Physical Hazards:	Eye irritant 2 H-319
Environmental Hazards:	Unclassified

#### 2.2. Label elements

Number:	207-838-8
Pictogram:	
Word of warning:	Attention
Hazard statements:	H319 Causes serious eye irritation
Preventive tips	P264 Wash contaminated skin thoroughly after handling P280 Wear protective gloves/protective clothing/eye protection/face protection. P305-P351+P338. In case of contact with eyes: In case of contact with eyes: Rinse carefully with water for several minutes. Remove contact lenses, if present and easy. Keep clarifying. P337+P313 if eye irritation persists: seek medical advice

#### 2.3. Other risk

This substance is not classified as PBT or vPvB according to current EU criteria.
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### SECTION 3: First aid

#### 3.1. Description of first aid.

Eyes:	Immediately flush with water for at least 15 minutes. See a doctor.
Skin:	Remove the affected person from the source of contamination. Remove affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep your airways open. Loosen tight clothing such as collars, ties or belts. When breathing is difficult, properly trained personnel can administer oxygen. Place the unconscious person next to you in the recovery position and ensure that breathing can take place.
Ingestion:	Rinse mouth with water. Take off dentures. Give small sips of water or milk to drink. Stop if the affected person feels unwell as vomiting can be dangerous. Do not induce vomiting unless directed by a medical person. In case of vomiting, the head should be kept low so that the vomit does not enter the lungs. Do not give anything by mouth to an unconscious person. Remove affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place the unconscious person next to you in the recovery position and ensure that breathing can take place. Keep your airways open. Loosen tight clothing such as collars, ties, or belts.
Skin contact:	Shake off any particles that have remained on the skin. Rinse with water.

Eyes contact:	Rinse immediately with plenty of water. Remove contact lenses and keep eyelids wide apart. Continue rinsing for at least 10 minutes.
First aid protection:	First aid personnel must wear appropriate protective equipment during any rescue.

### 3.2. Most important symptoms and effects, both acute and delayed

General information:	See Section 11 for additional information on health risks. The severity of the symptoms described will vary depending on the concentration and duration of exposure.
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. It can cause stomach pains and vomiting.
Skin contact:	Prolonged contact may cause dry skin.
Eyes contact:	Irritates eyes.

### 3.3. Indication of any necessary medical attention and special treatment.

Notes to Physician:	Symptomatic
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## SECTION 4: Extinguishing media

### 4.1. Extinguishing media

Suitable extinguishing media:	The product is not flammable. Extinguish with alcohol resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media:	Do not use pressurized water jets as an extinguisher, it can spread the fire..

### 4.2. Specific hazards arising from the substance or mixture.

Specific risks:	They don't know each other.
Hazardous Combustion Products:	Thermal decomposition or combustion products may include the following substances: harmful gases or vapors.

### 4.3. Recommendations for firefighting personnel.

Protective measures during fire fighting:	Avoid breathing fire gases or vapors. Evacuate the area. Cool containers exposed to heat with water spray. And remove them from the fire area if it can be done without risk. Cool fire exposed containers with water until long after fire is out. Control excess water by containing it and keeping it out of sewers and watercourses.
Special protective equipment for firefighters:	Wear positive pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter clothing suitable to European Standard EN 469 (including protective helmets, gloves and boots) will provide a basic level of protection in the event of a chemical accident.

## SECTION 5: Accidental Release Measures

### 5.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:	No action shall be taken without proper training or involving personal risk. Keep unnecessary and unprotected personnel away from spill. Wear protective clothing as described in Section 8 of this safety data sheet. Follow the precautions for safe handling described in this safety data sheet. Follow the precautions for safe handling described in this safety data sheet. Wash thoroughly after a spill. Ensure procedures and training for decontamination and emergency disposal are in place. Do not touch or trip over spilled material.
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### 5.2. Environmental precautions

Environmental precautions:	Large spills: inform the relevant authorities in case of environmental contamination (sewers, canals, land or air)
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### 5.3. Methods and material for containment and cleaning up

Cleaning methods:	Wear protective clothing as described in Section 8 of this safety data sheet. Clean up spills immediately and dispose of residue safely. Approach spill upwind. Avoid the generation and propagation of dust. Small spills: remove the spill with a vacuum cleaner or pick it up with a shovel, broom or similar. Large spills collect the product with a shovel and a broom or similar and reuse it if possible. Pick up and place in suitable waste disposal containers and seal tightly. Containers with spilled material must carry a label specifying the content and a warning symbol. Wash contaminated area with copious amounts of water. Wash thoroughly after a spill. Neutralize with acid. Caution. It can generate heat. After dissolution and neutralization, discharge to sewer with plenty of water may be allowed. Local water authority requirements must be followed if contaminated water is discharged directly to the sewer. Dispose of waste to a licensed landfill in accordance with the requirements of the local Waste Disposal Authority.
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### 5.4. 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.
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## SECTION 6: Handling and storage

### 6.1. Precautions for safe handling

Precautions for use:	Read and follow the manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from foodstuffs, beverages and feed. Keep container tightly closed when not in use. Avoid handling that leads to dust formation. Do not handle the substance before having read and understood all the safety instructions. Do not handle broken packages without protective equipment.
Advice on general occupational hygiene	Immediately wash skin that has been contaminated. Remove contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink and smoke during use. Wash at the end of each work shift and before eating, smoking and using the bathroom. Change your work clothes every day before leaving your workplace.

### 6.2. Conditions for safe storage, including possible incompatibilities

Precautions for use:	Store in accordance with local regulations. Store away from the following acidic materials. Keep only in the original container. Keep the container tightly closed, in a cool place and in a well-ventilated place. Keep containers upright. Protect containers from damage. Prepare storage facilities to prevent soil and water contamination in the event of a spill. The storage area must be leak-proof, without joints and non-absorbent.
Storage classes:	Storage of reagents with acids.

### 6.3. Specific end use(s)

Specific end use(s):	The identified uses for this product are detailed in section 1.2.
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## SECTION 7: Exposure controls/personal protection

### 7.1. Control parameters

Comments on the ingredients:	Comments on the ingredients:
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### 7.2. Exposure controls

Special protective equipment	
Appropriate engineering controls:	Provide adequate ventilation. Personal, work environment biological monitoring may be necessary to determine the effectiveness of ventilation or other control measures and/or the necessity of wearing respiratory protective equipment. Use process enclosure, local exhaust ventilation, or other engineering controls as the primary means of minimizing worker exposure. Personal protective equipment should only be used if worker exposure cannot be adequately controlled by engineering control measures. It is ensured that control measures are regularly inspected and maintained. Make sure operators are trained to minimize exposure.
Eye/face protection:	Goggles that meet an approved standard must be worn when a risk assessment indicates that eye contact is possible. Personal protective equipment for eye and face protection must comply with European Standard EN166. Wear tight fitting goggles or face shield. If inhalation risks exist, a full-face respirator may be necessary.
Hand protection:	Impervious chemical resistant gloves meeting approved standards should be worn if a risk assessment indicates that skin contact is possible. The most suitable type should be chosen in collaboration with the glove supplier/manufacturer, who can provide information on the penetration time of the glove material. To protect hands from chemicals, gloves must comply with European standard EN374. Taking into account the specific data provided by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as deterioration is detected. Frequent changes are recommended.
Other skin and body protection:	Appropriate footwear and additional protective clothing meeting approved standards should be worn if a risk assessment indicates that skin contamination is possible.
Hygiene measure:	Provide an eyewash station and safety shower. Contaminated work clothing may not be dried in the workplace. Wash contaminated clothing before reuse. Clean equipment and work area daily. Good personal hygiene procedures must be implemented. Wash at the end of each work shift and before eating, smoking and using the bathroom. Do not eat or smoke during use. Warn staff of the dangerous properties of cleaning products.

Respiratory protection:	Respiratory protection meeting approved standards should be worn when a risk assessment indicates that inhalation of contaminants is possible. Protection against nuisance dust should be used when the concentration in the air exceeds 10 mg/m <sup>3</sup> . Wear a dust mask. Make sure that all respiratory protection equipment is suitable for the intended use and is "CE" marked. Check that the respirator fits well and change the filter regularly. Gas filters and spare parts must comply with the European standard EN14387. Full face shields with replacement must comply with the European standard EN136. Half masks and quarter-mask respirators with spare parts must comply with European Standard EN140.
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## SECTION 8: Physical and chemical properties

### 8.1. Basic information on physical and chemical properties.

Appearance	Granules, Solid
Colour:	White
Odour:	Odorless
pH:	11.4 (1%)
Melting point:	851 °C/1564°F
Initial boiling point and range:	NA
Detonating:	NA
Evaporation rate:	NA
Flammability (solid, gas):	NA
Vapor pressure:	NA
Relative density:	2509
Solubility(ies):	212.5 g/l water @20°C
Partition coefficient:	NA
Autoignition temperature:	NA
Viscosity:	NA
Self-ignition properties:	NA
Explosion properties:	It is not considered explosive.
Oxidizing properties:	There are no chemical groups present in the product, which are associated with properties.

### 8.2. Other information

Other information	No information required
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## SECTION 9: Stability and Reactivity

### 9.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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### 9.2. Chemical stability

Stability	Stable at normal room temperature and when used as recommended. Stable under prescribed storage conditions.
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### 9.3. Possibility of hazardous reactions

Possibility of hazardous reactions:	No potentially dangerous reactions known.
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### 9.4. Conditions to avoid

Conditions to avoid	There is no knowledge of conditions that could give rise to dangerous situations.
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### 9.5. Incompatible materials

Materials to avoid	Acid anhydrides. Acids. Phenols. Cresols.
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### 9.6. Hazardous decomposition products.

Hazardous Decomposition Hazards	There is no knowledge of conditions that could give rise to dangerous situations.
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## SECTION 10: Toxicology information

### 10.1. Information on toxicological effects

Acute toxicity-oral (LD <sub>50</sub> mg/kg)	2.800.0
Species	Rat
Notes (oral LD <sub>50</sub> )	Based on the available data the classification meets the criteria.
ETA oral (mg/kg)	2.800,00

Acute-dermal toxicity	
Notes (dermal LD <sub>50</sub> )	Based on the available data the classification meets the criteria.

Acute toxicity-inhalation	
Notes (inhalación LC <sub>50</sub> )	Based on the available data the classification meets the criteria.

<b>Skin corrosion/irritation</b>	
Animal Data	Based on the available data the classification meets the criteria.
<b>Serious eye damage/irritation</b>	
Serious eye damage/irritation	Causes severe irritation
<b>Respiratory sensitization</b>	
Respiratory sensitization	Based on the available data the classification meets the criteria.
<b>Skin sensitization</b>	
Skin sensitization	Based on the available data the classification meets the criteria.
<b>Germ cell mutagenicity</b>	
Genotoxicity - in vitro	Based on the available data the classification meets the criteria.
<b>Carcinogenicity</b>	
Carcinogenicity	Based on the available data the classification meets the criteria.
IARC Carcinogenicity	None of the components are listed or external
<b>Reproductive toxicity</b>	
Reproductive toxicity-fertility	Based on the available data the classification meets the criteria.
Reproductive-developmental toxicity	Based on the available data the classification meets the criteria.
<b>Specific target organ toxicity - single exposure</b>	
Specific target organ toxicity - single exposure	Not classified as specific target organ toxicant after a single exposure
<b>Aspiration hazard</b>	
Aspiration hazard	Not relevant. Solid
General information	Dust can irritate the eyes and respiratory system. The severity of the symptoms described will vary depending on the concentration and duration of exposure.
Ingestion	May cause discomfort if ingested. May cause stomach aches and vomiting
Skin contact:	Prolonged contact may cause dry skin
Eye contact	Irritates the eyes
Entry way	Ingestion inhalation skin and/or eye contact
Organs	There are no known specific target organs.

## SECTION 11: Ecological information

Ecotoxicity	It is not considered dangerous for the environment. However, frequent large spills can have harmful effects on the environment.
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### 11.1. Toxicity

Toxicity	Based on the available data, the classification meets the objectives.
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### 11.2. Persistence and degradability

Persistence and degradability	The degradability of the product is not known.
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### 11.3. Bioaccumulative potential

Persistence of bioaccumulation	No data on bioaccumulation
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### 11.4. Soil mobility

Mobility	The product is soluble in water and can be dispersed in aqueous systems.
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### 11.5. Results of PBT and vPvB assessment

PBT and vPvB results	This product does not contain substances classified as PBT or vPvB.
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### 11.6. Other adverse effects

Other adverse effects	Unknown
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## SECTION 12: Disposal Considerations

### 12.1. Waste treatment methods

General information	The generation of waste should be minimized or avoided whenever possible. Reuse or recycle products where possible. Eliminate product residues and their containers with all possible precautions. Disposal of this product, its process solutions, residues and by-products must at all times comply with environmental protection and waste disposal requirements and all local authority requirements. When handling the waste, the safety measures in force for handling the product must be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed. Empty containers or liners may retain product residue and are therefore potentially hazardous.
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Removal Methods:	Dispose of surplus products and those that cannot be recycled through a licensed disposal contractor. Waste, residue, empty containers, discarded work clothes and contaminated cleaning materials must be collected in designated containers, labeled with their content. Packaging waste must be collected for reuse or recycling. Incineration or burial should only be considered when recycling is not feasible.
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### SECTION 13: Transportation Information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)
13.1. ONU Number	NA
13.2. UN proper shipping name	NA
13.3. Hazardous transport class(es)	No transportation warning sign
13.4. Packaging group	NA
13.5. Environmental hazards	Hazardous pollutant/marine pollutant.
13.6. Special precautions for users	Hazardous pollutant/marine pollutant.
13.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	NA

### SECTION 14: Regulatory Information

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

EU legislation	Regulation (CE) n° 1907/2006 of the European Parliament and of the Council, of December 18, 2006, relative to the Registry. Evaluation, Authorization and Restriction of Chemicals (REACH) (modified). Regulation (EU) No. 2015/830 Regulation (CE) n° 1272/2008 of the European Parliament and of the Council of December 16, 2008 on classification, labeling and packaging of substances and mixtures (modified).
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#### 14.2. Evaluación de la seguridad química

Ninguna evaluación de la seguridad química ha sido llevada a cabo.

### SECTION 15: Other Information

Main bibliographical references and data sources.	This Safety Data Sheet will be prepared based on the information received from the owner of the product.
Classification procedures according to Regulation (EC)	
19/30	Irritated Eyes 2 - H319: Expert Judgment
Training advice:	Read and follow the manufacturer's recommendations. Only trained personnel should use this material
Review date	13.10.2015
Review	8
Number SDS:	5212
Hazard statements in full	H319 provoca irritación ocular grave

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