



SAFETY DATA SHEET

SDS03094
SODA ASH LIGHT "SYNTHETIC" UK

Preparation Date: 18/Jul/2018

Version: 1

1. IDENTIFICATION

Product identifier

Product Name SODA ASH LIGHT "SYNTHETIC" UK

Other means of identification

SDS Number SDS03094**Synonyms** Sodium carbonate, anhydrous. Carbonic acid, disodium salt; Disodium carbonate; Soda ash

Recommended use of the chemical and restrictions on use

Recommended Use Soda salts. Manufacture of glass. Soap Cleaners and water softeners. Pulp and paper. Photographical agent. Water treatment. pH adjustment**Restricted Uses** No information available

Initial Supplier Identifier

Univar Canada Ltd.
9800 Van Horne Way
Richmond, BC V6X 1W5
Telephone: 1-866-686-4827

Emergency telephone number

24 Hour Emergency Phone Number (CANUTEC): 1-888-226-8832 (1-888-CAN-UTEC)

2. HAZARD IDENTIFICATION

Hazardous Classification of the substance or mixture

Serious eye damage/eye irritation

Category 1

Label elements

Hazard pictograms

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**Signal Word: Danger****Hazard statements**

Causes serious eye damage

Precautionary Statements**Prevention**Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection**Response**

Specific treatment (see first aid instructions on label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

Storage

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

May be harmful if swallowed

Unknown acute toxicity

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance**

Chemical Name	CAS No	Weight-%	Synonyms
Sodium Carbonate	497-19-8	90 - 100%	Sodium Carbonate

4. FIRST-AID MEASURES**Description of first aid measures****General advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.

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Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention.

Ingestion

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

Self-protection of the first aider

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed:

Causes serious eye damage Symptoms include redness, swelling, itching and pain. Material is irritating to mucous membrane and upper respiratory tract. Exposure can cause coughing, chest pains and difficulty in breathing May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Effects may include pain, marked redness and swelling.

Indication of any immediate medical attention and special treatment needed:**Note to physicians**

Treatment based on sound judgment of physician and individual reactions of patient.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Does not burn. Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the substance or mixture

Not flammable.

Hazardous combustion products

Carbon dioxide. Decomposition temperature: >400 °C / 752 °F.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

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Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE**Precautions for safe handling**

When dissolving, add to water cautiously while stirring; solutions can get hot. Avoid prolonged contact with eyes or prolonged skin contact. Avoid breathing in dust. Use good personal hygiene.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area. Prolonged storage may cause product to cake and become damp from atmospheric moisture. Store away from acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	Alberta OEL	British Columbia OEL	Ontario	Quebec OEL	Exposure Limit - ACGIH	Immediately Dangerous to Life or Health - IDLH
Sodium Carbonate 497-19-8	Not available	Not available	Not available	Not available	Not available	Not available

Consult local authorities for recommended exposure limits

Appropriate engineering controls**Engineering controls**

Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Safety glasses with side shields or chemical goggles.

Hand protection

Cotton gloves permitted for dry product, impervious gloves when handling solutions.

Skin and body protection

As a minimum, wear long-sleeve shirts, trousers, and gloves for routine product use.

Respiratory protection

For dusty or misty conditions, wear NIOSH-approved dust or mist respirator.

General hygiene considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area

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and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties****Appearance**

Physical state	Solid
Color	White
Odor	Odorless
Odor threshold	No information available

PROPERTIES

PROPERTIES	Values	Remarks • Method
pH	11.3-11.4 (1% solution), 11.6 (5% solution), 11.7 (10% solution) @ 20 °C	
Melting point / freezing point	854 °C / 1569 °F	
Initial boiling point/boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Specific Gravity	2.533 @ 20 °C	
Water solubility	Soluble in water	
Solubility in other solvents	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	None known
Decomposition temperature	>400 °C/752 °F	
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available.	
Oxidizing properties	No information available.	
Molecular weight	105.99	
VOC Percentage Volatility	No information available	
Liquid Density	No information available	
Bulk density	No information available	

10. STABILITY AND REACTIVITY**Reactivity/Chemical Stability**

Stable

Possibility of hazardous reactions

Contact with acids will release carbon dioxide gas. Can react violently with red hot aluminum metal; fluorine gas; lithium; and 2,4,6-trinitrotoluene.

Hazardous polymerization

Will not occur.

Conditions to avoid

In the presence of moisture (i.e. perspiration) the two materials combine to form corrosive caustic soda (NaOH) which

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may cause burns. Hygroscopic (absorbs moisture from the air). Simultaneous exposure to soda ash and lime dusts (CaO).

Incompatible materials

Soda Ash is corrosive to aluminum, lead, and zinc and zinc brasses when in solution and to aluminum when high humidity is present. Acids.

Hazardous decomposition products

Carbon dioxide. Decomposition temperature: >400 °C / 752 °F.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Inhalation**

Material is irritating to mucous membrane and upper respiratory tract. Exposure can cause coughing, chest pains and difficulty in breathing.

Eye contact

Causes serious eye damage. Effects may include pain, marked redness and swelling.

Skin contact

Symptoms include redness, swelling, itching and pain.

Ingestion

May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects**Symptoms**

Excessive contact may produce "soda ulcers" on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure.

Numerical measures of toxicity**Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 4,098.00 mg/kg

Unknown acute toxicity No information available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Carbonate 497-19-8	= 4090 mg/kg (Rat)	Not available	= 2300 mg/m ³ (Rat) 2 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Skin corrosion/irritation**

Symptoms include redness, swelling, itching and pain.

Serious eye damage/eye irritation

Effects may include pain, marked redness and swelling.

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

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No information available.

Carcinogenicity

No information available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium Carbonate 497-19-8	Not available	Not available	Not available	Not available

Reproductive toxicity

No information available.

Specific target organ systemic toxicity - single exposure

No information available.

Specific target organ systemic toxicity - repeated exposure

No information available.

Aspiration hazard

No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Chemical Name	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Fish Species Data	Toxicity to microorganisms	Crustacea
Sodium Carbonate 497-19-8	Not available	300 mg/L LC50 (Lepomis macrochirus) 96 h static 310 - 1220 mg/L LC50 (Pimephales promelas) 96 h static	Not available	EC50: =265mg/L (48h, Daphnia magna)

Persistence and degradability No information available.**Bioaccumulation** No information available.

Chemical Name	Partition coefficient
Sodium Carbonate 497-19-8	Not available

Other adverse effects No information available.**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

Do not reuse empty containers.

14. TRANSPORT INFORMATION**TDG (Canada):**

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UN Number Not applicable
 Shipping name Not regulated
 Class Not applicable
 Packing Group Not applicable
 Marine pollutant Not available.

DOT (U.S.)

UN Number Not applicable
 Shipping name Not regulated
 Class Not applicable
 Packing Group Not applicable
 Marine pollutant Not available

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture****U.S. Regulatory Rules**

Chemical Name	CERCLA/SARA - Section 302:	SARA (311, 312) Hazard Class:	CERCLA/SARA - Section 313:
Sodium Carbonate - 497-19-8	Not Listed	Not Listed	Not Listed

International Inventories

TSCA Complies
 DSL/NDSL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA: Health hazards 3 Flammability 0 Instability 0 Physical and chemical properties -
HMIS Health Rating: Health hazards 3 Flammability 0 Physical hazards 0 Personal protection X

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
 Ceiling Maximum limit value Skin designation

Prepared By: The Environment, Health and Safety Department of Univar Canada Ltd.

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All information appearing herein is based upon data obtained from the manufacturer and/or recognized

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End of Safety Data Sheet