# Material Safety Data Sheet

**LA2876**
**SODA ASH 58% LIGHT**

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Id:** LA2876
**Product Name:** SODA ASH 58% LIGHT
**Synonyms:** Carbonic acid, disodium salt; Disodium carbonate; Soda ash Sodium carbonate, anhydrous.
**Chemical Family:** Sodium and compounds / inorganic sodium compound / sodium salt / inorganic carbon compound / inorganic carbonic acid salt / inorganic carbonate.
**Application:** Soda salts. Manufacture of glass. Soap. Cleaners and water softeners. Pulp and paper. Photographical agent. Water treatment. pH adjustment.

**Distributed By:**
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**Prepared By:** The Environment, Health and Safety Department of Univar Canada Ltd.
**Preparation date of MSDS:** 03/Dec/2015
**Telephone number of preparer: 1-866-686-4827**

**24-Hour Emergency Telephone Number (CANUTEC): (613) 996-6666**

## 2. HAZARDS IDENTIFICATION

**Potential Acute Health Effects:**
**Eye Contact:** May cause severe eye irritation. Effects may include pain, marked redness and swelling.
**Skin Contact:** Symptoms include redness, swelling, itching and pain.
**Inhalation:** Material is irritating to mucous membrane and upper respiratory tract. Exposure can cause coughing, chest pains and difficulty in breathing
**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients | Percentage (W/W) | LD50s and LC50s Route & Species: |
|---|---|---|
| Sodium Carbonate<br>497-19-8 | 99.8 | Dermal LD50 Mouse = 2210 mg/kg<br>Inhalation LC50 Rat = 2300 mg/m$^3$ 2 h<br>Oral LD50 Rat = 4090 mg/kg |

**Note:** No additional remark.

## 4. FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with water and continue washing for at least 15 minutes. Seek immediate medical attention.
**Skin Contact:** Immediately wash with plenty of soap and water for at least 5 minutes. Remove contaminated clothing and launder before reuse. If irritation persists or signs of toxicity occur, seek medical attention.
**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Get medical attention immediately.
**Ingestion:** Do not induce vomiting. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Seek medical attention.
**Notes to Physician:** Treatment based on sound judgment of physician and individual reactions of patient.

## 5. FIRE FIGHTING MEASURES

**Flash Point:** None.
**Flash Point Method:** Not applicable.
**Autoignition Temperature:** Not available.
**Flammable Limits in Air (%):** Not Available.
**Extinguishing Media:** Does not burn. Use extinguishing media appropriate for surrounding fire.
**Special Exposure Hazards:** Not flammable.
**Hazardous Decomposition/Combustion Materials (under fire conditions):** Carbon dioxide.
**Special Protective Equipment:** Fire fighters should wear full protective clothing, including self-contained breathing equipment.
**NFPA RATINGS FOR THIS PRODUCT ARE:** HEALTH 2, FLAMMABILITY 0, INSTABILITY 0
**HMIS RATINGS FOR THIS PRODUCT ARE:** HEALTH 2, FLAMMABILITY 0, REACTIVITY 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautionary Measures:** Wear appropriate protective equipment.
**Environmental Precautionary Measures:** Prevent entry into sewers or streams, dike if needed. Spills or releases should be reported, if required to the appropriate municipal, provincial and federal agencies.
**Procedure for Clean Up:** Scoop up or vacuum up and place in an appropriate closed container. Avoid raising dust. Cautiously spray residue with plenty of water. Prevent spilled material from entering sewers, confined spaces, drains, or waterways.

## 7. HANDLING AND STORAGE

**Handling:** Avoid breathing in dust. Avoid prolonged contact with eyes or prolonged skin contact. Use good personal hygiene. When dissolving, add to water cautiously while stirring; solutions can get hot.
**Storage:** Store in a cool, dry, well ventilated area. Store away from acids. Prolonged storage may cause product to cake and become damp from atmospheric moisture.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:**

Local exhaust ventilation as necessary to maintain exposures to within applicable limits.
**Respiratory Protection:** For dusty or misty conditions, wear NIOSH-approved dust or mist respirator.
**Gloves:**

Cotton gloves permitted for dry product, impervious gloves when handling solutions.
**Skin Protection:** As a minimum, wear long-sleeve shirts, trousers, and gloves for routine product use.
**Eyes:** Safety glasses with side shields or chemical goggles.
**Other Personal Protection Data:** Long sleeves. Wear saranex coveralls if contact may occur. Hard hat. Do not wear contact lenses. Ensure that eyewash stations and safety showers are proximal to the work-station location.

| Ingredients | Exposure Limit - ACGIH | Exposure Limit - OSHA | Immediately Dangerous to Life or Health - IDLH |
|---|---|---|---|
| Sodium Carbonate | Not available. | Not available. | Not Available. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Color:** White
**Odor:** Odorless
**pH** 11.3-11.4 (1% solution), 11.6 (5% solution), 11.7 (10% solution) @ 20°C
**Specific Gravity:** 2.533 @ 20°C
**Boiling Point:** Not Available.
**Freezing/Melting Point:** 854°C / 1569.2°F
**Vapor Pressure:** Not Available.
**Vapor Density:** Not Available.
**% Volatile by Volume:** Not Available.
**Evaporation Rate:** Not Available.
**Solubility:** 17% by Wt @ 20°C
**VOCs:** Not Available.
**Viscosity:** Not Available.
**Molecular Weight:** 105.99
**Other:** Not Available.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.
**Hazardous Polymerization:** Will not occur.
**Conditions to Avoid:** Hygroscopic (absorbs moisture from the air). Simultaneous exposure to soda ash and lime dusts (CaO). In the presence of moisture (i.e. perspiration) the two materials combine to form corrosive caustic soda (NaOH) which may cause burns.
**Materials to Avoid:** Acids. Soda Ash is corrosive to aluminum, lead, and zinc and zinc brasses when in solution and to aluminum when high humidity is present.
**Hazardous Decomposition Products:** Carbon dioxide. Decomposition temperature: 400°C / 752 °F.
**Additional Information:**

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

## 11. TOXICOLOGICAL INFORMATION

**Principle Routes of Exposure**

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
**Skin Contact:** Symptoms include redness, swelling, itching and pain.
**Inhalation:** Material is irritating to mucous membrane and upper respiratory tract. Exposure can cause coughing, chest pains and difficulty in breathing
**Eye Contact:** May cause severe eye irritation. Effects may include pain, marked redness and swelling.

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

**Acute Test of Product:**
**Acute Oral LD50:** Not Available.
**Acute Dermal LD50:** Not Available.
**Acute Inhalation LC50:** Not Available.

**Carcinogenicity:**

| Ingredients | IARC - Carcinogens | ACGIH - Carcinogens |
|---|---|---|
| Sodium Carbonate | Not listed. | Not listed. |

**Carcinogenicity Comment:** No additional information available.

**Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity:** Not Available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Information:**

| Ingredients | Ecotoxicity - Fish Species Data | Acute Crustaceans Toxicity: | Ecotoxicity - Freshwater Algae Data |
|---|---|---|---|
| Sodium Carbonate | 310 - 1220 mg/L LC50 (Pimephales promelas) 96 h static<br>300 mg/L LC50 (Lepomis macrochirus) 96 h static | Not Available. | EC50 (Nitzschia) 242 mg/L<br>LC50 (Daphnia Magna) 347 mg/L (24hr)<br>LC50 (Daphnia Magna) 565 mg/L (96hr) |

**Other Information:**
No additional remark.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Waste Method:** Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

## 14. TRANSPORT INFORMATION

**DOT (U.S.):**
**DOT Shipping Name:** Not Regulated.
**DOT Hazardous Class** Not Applicable.
**DOT UN Number:** Not Applicable.
**DOT Packing Group:** Not Applicable.
**DOT Reportable Quantity (lbs):** Not Available.
**Note:** No additional remark.
**Marine Pollutant:** No.

**TDG (Canada):**
**TDG Shipping Name:** Not Regulated.
**Hazard Class:** Not Applicable.
**UN Number:** Not Applicable.
**Packing Group:** Not Applicable.
**Note:** No additional remark.
**Marine Pollutant:** No.

## 15. REGULATORY INFORMATION

**U.S. TSCA Inventory Status:** All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

**U.S. Regulatory Rules**

| Ingredients | CERCLA/SARA - Section 302: | SARA (311, 312) Hazard Class: | CERCLA/SARA - Section 313: |
|---|---|---|---|
| Sodium Carbonate | Not Listed. | Not Listed. | Not Listed. |

**California Proposition 65:** Not Listed.
**MA Right to Know List:** Not Listed.
**New Jersey Right-to-Know List:** Not Listed.
**Pennsylvania Right to Know List:** Not Listed.

**Additional Notes:** NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified. Maximum use of potable water 100 mg/L.

**WHMIS Hazardous Class:**
D2B TOXIC MATERIALS
E CORROSIVE MATERIAL

## 16. OTHER INFORMATION

**Additional Information:**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**Disclaimer:**

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*****END OF MSDS*****