1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Soda Ash

Other means of Identification

Synonyms: Sodium carbonate, anhydrous; Carbonic acid, disodium salt; Disodium carbonate

Chemical Family: Alkali salt

Recommended use of the chemical and restrictions on use

Recommended Use: Glass manufacture, Personal care, Detergent, Water treatment chemical, Chemical processing

Restrictions on Use: See section 16 for more information

Supplier Address

PRO Chemical & Dye
126 Shove Street
Fall River, MA  02724

Emergency telephone number

800-255-3924 ChemTel.
(United States)
+ 1  01  813-248-0585
(Outside the United States)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Soda Ash

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Warning

Hazard Statements
H319 - Causes serious eye irritation

Precautionary Statements - Prevention
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
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

Hazards not otherwise classified (HNOC)
No hazards not otherwise classified were identified.

Other Information
May be harmful if swallowed.
Prolonged or repeated contact may dry skin and cause irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family
Alkali salt.

Formula
Na2CO3

Chemical name
Sodium carbonate

CAS-No
497-19-8

Weight%
100

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact
Wash off with warm water and soap. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.

Inhalation
Remove person to fresh air. If signs/symptoms continue, get medical attention.
5. FIRE-FIGHTING MEASURES

Use extinguishing agent suitable for type of surrounding fire.

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes

Fumes of sodium oxide. Carbon oxides (COx).

Not sensitive. Not sensitive.

As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Avoid dust formation. Sweep up to prevent slipping hazard.

For further clean-up instructions, call Emergency Hotline number listed in Section 1 “Product and Company Identification” above.

Do not flush into surface water or sanitary sewer system.

Prevent large quantities of this product from contacting vegetation or waterways. Cover with plastic sheet to prevent spreading. Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal.

Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Use air conveying/mechanical systems for bulk transfer to storage. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected. Make sure the locations of the eye washers and safety showers are close to the workstation locations.

Store in original container. Keep in properly labeled containers. Keep container tightly closed.

Aluminum. Powdered aluminum. Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Appropriate engineering controls

Engineering measures
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles.

Skin and Body Protection
Wear suitable protective clothing. Protective shoes or boots.

Hand Protection
Nitrile rubber, Neoprene gloves

Respiratory Protection
In case of inadequate ventilation wear respiratory protection.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Make sure the locations of the eye washers and safety showers are close to the workstation locations.

General information
These recommendations apply to the product as supplied

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Granules</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical State</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td></td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td></td>
<td>odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td></td>
<td>8.51 - C</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
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<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td></td>
<td>Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td></td>
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</tr>
<tr>
<td>Vapor density</td>
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<tr>
<td>Density</td>
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</tr>
<tr>
<td>Specific gravity</td>
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<tr>
<td>Water solubility</td>
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<td></td>
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<tr>
<td>Solubility in other solvents</td>
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<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
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</tr>
<tr>
<td>Viscosity, kinematic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
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<td></td>
</tr>
<tr>
<td>Explosive properties</td>
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<tr>
<td>Oxidizing properties</td>
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</tr>
<tr>
<td>Molecular weight</td>
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<td></td>
</tr>
<tr>
<td>Bulk density</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reactivity
None under normal use conditions.
11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Symptoms
No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity
No known effect.

Mutagenicity
No information available

Carcinogenicity
Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

Reproductive toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Aspiration hazard
No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Sodium carbonate (497-19-8)</th>
<th>Duration</th>
<th>Species</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active ingredient(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>196 h LC50</td>
<td>Bluegill sunfish</td>
<td>1300</td>
<td>mg/l</td>
<td></td>
</tr>
<tr>
<td>148 h EC50</td>
<td>Ceriodaphnia</td>
<td>200-227</td>
<td>mg/l</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability
Biodegradability does not pertain to inorganic substances.

Bioaccumulation
Does not bio-accumulate.

Mobility
Dissociates into ions.

Other Adverse Effects
None known.

13. DISPOSAL CONSIDERATIONS
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Dispose of in accordance with local regulations.

**Waste disposal methods**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Dispose of in accordance with local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT**

NOT REGULATED

**TDG**

NOT REGULATED

**ICAO/IATA**

NOT REGULATED

**IMDG/IMO**

NOT REGULATED

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic health hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Clean Water Act**

This product does not contain any Substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

**WARNING:** This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

**U.S. State Right-to-Know Regulations**

This product is not listed on state right-to-know regulations

**International Inventories**

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA (United States)</th>
<th>DSI (Canada)</th>
<th>EINECS/ELINCS (Europe)</th>
<th>ENCS (Japan)</th>
<th>China (IECSC)</th>
<th>KECI (Korea)</th>
<th>PICCS (Philippines)</th>
<th>AICS (Australia)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate 497-19-8 (100)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Mexico - Grade Moderate risk, Grade 2

**16. OTHER INFORMATION**

**NFPA**

Health Hazards 2 Flammability 0 Instability 0 Special Hazards -
Soda Ash

NFPA/HMIS Ratings Legend
Severe= 4; Serious= 3; Moderate= 2; Slight - 1; Minimal = 0

Product Certifications

This product is certified to NSF/ANSI Standard 60 for use in drinking water treatment at the specified maximum use limit. The MUL (maximum use level) for sodium carbonate, anhydrous is 150 mg/L under NSF/ANSI Standard 60.

American Water Works Association

Revision date: 2018-08-28
Revision note: Updated for Prop 65

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End of Safety Data Sheet