



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|--------------------------------------|---|
| Product identifier | Culligan Soda Ash |
| Other means of identification | Not available |
| Recommended use | Neutralizer |
| Recommended restrictions | None known. |
| Manufacturer information | Pro Products LLC 6714 Pointe Inverness Way Suite 200 Fort Wayne, IN 46804-7935 US Phone: 260-483-2519 Emergency Phone: 1-800-424-9300 (CHEMTREC) |
| Supplier | See above. |

2. Hazards Identification

| | | |
|-----------------------------------|-----------------------------------|-------------|
| Physical hazards | Corrosive to metals | Category 1 |
| Health hazards | Serious eye damage/eye irritation | Category 2A |
| Environmental hazards | Not classified. | |
| WHMIS 2015 defined hazards | Not classified | |
| Label elements | | |



Signal word Warning

Hazard statement May be corrosive to metals.
Causes serious eye irritation.

Precautionary statement

Prevention Keep only in original packaging. Wash thoroughly after handling. Wear eye protection.

Response Absorb spillage to prevent material-damage.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage Store in a corrosion resistant container with a resistant inner liner.

Disposal Dispose of container in accordance with local, regional, national and international regulations.

WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC) None known

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC) None known

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information Not applicable.

3. Composition/Information on Ingredients

Mixture

| Chemical name | Common name and synonyms | CAS number | % |
|----------------------|---------------------------------|-------------------|----------|
| Sodium carbonate | | 497-19-8 | 80-100* |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.
*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

| | |
|---|---|
| Inhalation | If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. |
| Skin contact | Brush away excess of dry material. Flush with water. Obtain medical attention if irritation persists. |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. |
| Ingestion | Do not induce vomiting. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention. |
| Most important symptoms/effects, acute and delayed | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. |
| General information | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes, skin and clothing. Wear rubber gloves and chemical splash goggles. Keep out of reach of children. |

5. Fire Fighting Measures

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| Suitable extinguishing media | Treat for surrounding material. |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | Firefighters should wear a self-contained breathing apparatus. |
| Special protective equipment and precautions for firefighters | Firefighters should wear full protective clothing including self-contained breathing apparatus. |
| Fire-fighting equipment/instructions | In the event of fire, cool tanks with water spray. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| Hazardous combustion products | May include and are not limited to: Oxides of carbon. Oxides of sodium. |

6. Accidental Release Measures

| | |
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| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. For waste disposal, see section 13 of the SDS. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not contaminate water. |

7. Handling and Storage

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|---|--|
| Precautions for safe handling | Do not get in eyes, on skin or on clothing. Avoid breathing dusts from this material. Provide adequate ventilation. Use good industrial hygiene practices in handling this material. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Wash thoroughly after handling. |
| Conditions for safe storage, including any incompatibilities | Store in a corrosion resistant container with a resistant inner liner. Store in a cool, dry place out of direct sunlight. Store in a closed container. Keep out of the reach of children. |

8. Exposure Controls/Personal Protection

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| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate engineering controls | Ensure adequate ventilation. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Safety goggles or glasses. |
| Skin protection | |
| Hand protection | Rubber gloves. Confirm with a reputable supplier first. |
| Other | As required by employer code. |

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|---------------------------------------|--|
| Respiratory protection | Not normally required if good ventilation is maintained and exposure guidelines are not exceeded. If ventilation is not adequate use dust mask or gas respirators with dust filters. |
| Thermal hazards | Not applicable. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using do not eat or drink. |

9. Physical and Chemical Properties

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|---|-----------------------------|
| Appearance | Powder |
| Physical state | Solid. |
| Form | Solid. |
| Color | Off-white |
| Odor | Odorless |
| Odor threshold | Not available. |
| pH | 11.4 (1% Solution) |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not applicable |
| Pour point | Not available. |
| Specific gravity | 2.51 (H ₂ O = 1) |
| Partition coefficient (n-octanol/water) | Not available. |
| Flash point | None |
| Evaporation rate | Not applicable |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not applicable |
| Flammability limit - upper (%) | Not applicable |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not applicable |
| Vapor density | Not applicable |
| Relative density | Not available. |
| Solubility(ies) | Moderate |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |

10. Stability and Reactivity

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|---|---|
| Reactivity | Reacts vigorously with acids. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Do not mix with bleach or any other chemical. Avoid dust generation. |
| Incompatible materials | Acids. Oxidizers. Soft metals. Wet storage. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. Oxides of sodium. |

11. Toxicological Information

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| Routes of exposure | Eye, Skin contact, Inhalation, Ingestion. |
| Information on likely routes of exposure | |
| Ingestion | May cause stomach distress, nausea or vomiting. |
| Inhalation | No adverse effects due to inhalation are expected. |
| Skin contact | No adverse effects due to skin contact are expected. |
| Eye contact | Causes serious eye irritation. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity

| Components | Species | Test Results |
|---------------------------------|----------------|--|
| Sodium carbonate (CAS 497-19-8) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | > 2000 mg/kg, ECHA |
| | Rat | > 2000 mg/kg, ECHA |
| <i>Inhalation</i> | | |
| LC50 | Guinea pig | 800 mg/m ³ , 2 Hours, ECHA |
| | | 0.8 mg/L, 2 Hours |
| | Mouse | 1200 mg/m ³ , 2 Hours, ECHA |
| | | 1.2 mg/L, 2 Hours |
| | Rat | 2300 mg/m ³ , 2 Hours, ECHA |
| | | 2.3 mg/L, 2 Hours |
| <i>Oral</i> | | |
| LD50 | Rat | 4090 mg/kg, RTECS |
| | | 2800 mg/kg, ECHA, HSDB |

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Exposure minutes Not available.

Erythema value Not available.

Oedema value Not available.

Serious eye damage/eye irritation

Causes serious eye irritation.

Corneal opacity value Not available.

Iris lesion value Not available.

Conjunctival reddening value Not available.

Conjunctival oedema value Not available.

Recover days Not available.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Mutagenicity

Not classified.

Carcinogenicity

Not classified or listed by IARC, NTP, OSHA and ACGIH.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity Not classified.

Teratogenicity Not classified.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not available.

Chronic effects Not available.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

| Components | Species | Test Results |
|--------------------------------------|---|---------------------------------|
| Sodium carbonate (CAS 497-19-8) | | |
| Crustacea | EC50 | Daphnia |
| | | 265 mg/L, 48 Hours |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) |
| | | 156.6 - 298.9 mg/L, 48 hours |
| Fish | LC50 | Bluegill (Lepomis macrochirus) |
| | | 300 mg/L, 96 hours |
| Persistence and degradability | No data is available on the degradability of this product. | |
| Bioaccumulative potential | No data available. | |
| Mobility in soil | No data available. | |
| Mobility in general | Not available. | |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. | |

13. Disposal Considerations

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|--|--|
| Disposal instructions | Dispose of in accordance with local, state, provincial and federal regulations. |
| Local disposal regulations | Dispose in accordance with all applicable regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. |

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

General DOT - 49 CFR 173.154 (d)(1) - Metal exemption

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)**Basic shipping requirements:**

| | |
|--------------------------------|---|
| UN number | UN3262 |
| Proper shipping name | CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. |
| Technical name | Sodium carbonate |
| Hazard class | 8 |
| Subsidiary hazard class | Limited Quantity - Canada |
| Packing group | III |
| Special provisions | 16 |
| Packaging exceptions | <5 kg - Limited Quantity |

TDG

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Not applicable

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

US state regulations

US - Texas Effects Screening Levels: Listed substance
Sodium carbonate (CAS 497-19-8) Listed.

US. Massachusetts RTK - Substance List
Not regulated.

US. New Jersey Worker and Community Right-to-Know Act
Not regulated.

US. Pennsylvania Worker and Community Right-to-Know Law
Not listed.

US. Rhode Island RTK
Not regulated.

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Inventory status

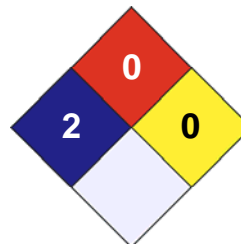
| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

| LEGEND | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

| | |
|---------------------|-----|
| HEALTH | / 2 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | X |



Disclaimer

The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

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03

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Prepared by

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

Other information

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