



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** SODA ASH 100

**Other means of identification**

**CAS number** 497-19-8

**Recommended use** ALL PROPER AND LEGAL PURPOSES

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** BRENNTAG CANADA INC

**Address** 43 Jutland Rd.  
Toronto, ON M8Z 2G6  
Canada

**Telephone** 416-259-8231

**Website** <http://www.brenntag.com/canada/en/>

**E-mail** [RegulatoryAffairs@Brenntag.ca](mailto:RegulatoryAffairs@Brenntag.ca)

**Emergency phone number** 1-855-273-6824

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Serious eye damage/eye irritation Category 2A

**Environmental hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statements** Causes serious eye irritation.

**Precautionary statement**

**Prevention** Wash thoroughly after handling. Wear eye protection/face protection.

**Response** 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 advice/attention.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Other hazards** None known.

**Supplemental information** 100 % of the mixture consists of component(s) of unknown acute dermal toxicity. 100 % of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 100 % of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

## 3. Composition/information on ingredients

### Substances

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

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

## 4. First-aid measures

|                                                                               |                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Move to fresh air. Call a physician if symptoms develop or persist.                                                                                                                                |
| <b>Skin contact</b>                                                           | Wash off with soap and water. Get medical attention if irritation develops and persists.                                                                                                           |
| <b>Eye contact</b>                                                            | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| <b>Ingestion</b>                                                              | Rinse mouth. Get medical attention if symptoms occur.                                                                                                                                              |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.                                                                                              |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.                                                                             |
| <b>General information</b>                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                                                                   |

## 5. Fire-fighting measures

|                                                                      |                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                      |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.                                         |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>                                          | No unusual fire or explosion hazards noted.                                                   |

## 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. 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.                                                                                                                           |
| <b>Methods and materials for containment and cleaning up</b>               | <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>                                           | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## 7. Handling and storage

|                                                                     |                                                                                                                                                                                     |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.                                   |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Store away from incompatible materials (see Section 10 of the SDS). |

## 8. Exposure controls/personal protection

Recommendations listed in this section indicate the type of equipment, which will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

**Occupational exposure limits** No exposure limits noted for ingredient(s).

Consult provincial or territorial exposure values, as may apply.

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological limit values</b>          | No biological exposure limits noted for the ingredient(s).                                                                                                                                                                                                                                                                                                                                                             |
| <b>Appropriate engineering controls</b> | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. |

**Individual protection measures, such as personal protective equipment**

The following are recommendations only for the use of PPE. These recommendations cannot anticipate the variety of workplaces where the product will be used, nor how the product will be used in a variety of applications and processes. In determining appropriate PPE and engineering controls, it is the duty of the employer / user to evaluate their use of this product in accordance with the requirements of the local jurisdiction, and, if necessary, in conjunction with a professional industrial hygienist.

|                               |                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>    | Wear safety glasses with side shields (or goggles).                                                   |
| <b>Skin protection</b>        |                                                                                                       |
| <b>Hand protection</b>        | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. |
| <b>Other</b>                  | Wear suitable protective clothing.                                                                    |
| <b>Respiratory protection</b> | In case of insufficient ventilation, wear suitable respiratory equipment.                             |
| <b>Thermal hazards</b>        | Wear appropriate thermal protective clothing, when necessary.                                         |

|                                       |                                                                                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General hygiene considerations</b> | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**9. Physical and chemical properties****Appearance**

|                       |        |
|-----------------------|--------|
| <b>Physical state</b> | Solid. |
| <b>Form</b>           | Solid. |
| <b>Colour</b>         | CREAM  |

|              |           |
|--------------|-----------|
| <b>Odour</b> | ODOURLESS |
|--------------|-----------|

|                        |                |
|------------------------|----------------|
| <b>Odour threshold</b> | Not available. |
|------------------------|----------------|

|           |             |
|-----------|-------------|
| <b>pH</b> | 11.4 - 11.7 |
|-----------|-------------|

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Melting point/freezing point</b> | -25 °C (-13 °F) |
|-------------------------------------|-----------------|

|                                                |                |
|------------------------------------------------|----------------|
| <b>Initial boiling point and boiling range</b> | Not available. |
|------------------------------------------------|----------------|

|                    |                |
|--------------------|----------------|
| <b>Flash point</b> | Not available. |
|--------------------|----------------|

|                         |                |
|-------------------------|----------------|
| <b>Evaporation rate</b> | Not available. |
|-------------------------|----------------|

|                                  |                |
|----------------------------------|----------------|
| <b>Flammability (solid, gas)</b> | Not available. |
|----------------------------------|----------------|

**Upper/lower flammability or explosive limits**

|                                       |                |
|---------------------------------------|----------------|
| <b>Flammability limit - lower (%)</b> | Not available. |
|---------------------------------------|----------------|

|                                       |                |
|---------------------------------------|----------------|
| <b>Flammability limit - upper (%)</b> | Not available. |
|---------------------------------------|----------------|

|                                    |                |
|------------------------------------|----------------|
| <b>Explosive limit - lower (%)</b> | Not available. |
|------------------------------------|----------------|

|                                    |                |
|------------------------------------|----------------|
| <b>Explosive limit - upper (%)</b> | Not available. |
|------------------------------------|----------------|

|                        |                |
|------------------------|----------------|
| <b>Vapour pressure</b> | Not available. |
|------------------------|----------------|

|                       |                |
|-----------------------|----------------|
| <b>Vapour density</b> | Not available. |
|-----------------------|----------------|

|                         |                |
|-------------------------|----------------|
| <b>Relative density</b> | Not available. |
|-------------------------|----------------|

**Solubility(ies)**

|                           |                |
|---------------------------|----------------|
| <b>Solubility (water)</b> | Not available. |
|---------------------------|----------------|

|                                                |                |
|------------------------------------------------|----------------|
| <b>Partition coefficient (n-octanol/water)</b> | Not available. |
|------------------------------------------------|----------------|

|                                  |                |
|----------------------------------|----------------|
| <b>Auto-ignition temperature</b> | Not available. |
|----------------------------------|----------------|

**Decomposition temperature** 400 °C (752 °F)

**Viscosity** Not available.

**Other information**

**Density** 20.94 lbs/gal  
2.51 g/ml

**Explosive properties** Not explosive.

**Molecular formula** C-Na<sub>2</sub>-O<sub>3</sub>

**Molecular weight** 105.99 g/mol

**Oxidising properties** Not oxidising.

**Specific gravity** 2.51

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Contact with incompatible materials.

**Incompatible materials** Strong oxidising agents.

**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

**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.

**Ingestion** Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

### Information on toxicological effects

**Acute toxicity** Not known.

| Product | Species | Test results |
|---------|---------|--------------|
|---------|---------|--------------|

Sodium carbonate (CAS 497-19-8)

#### Acute

##### Oral

|      |     |            |
|------|-----|------------|
| LD50 | Rat | 4090 mg/kg |
|------|-----|------------|

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

### Respiratory or skin sensitisation

**Respiratory sensitisation** Not a respiratory sensitizer.

**Skin sensitisation** This product is not expected to cause skin sensitisation.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not available.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product                         | Species | Test results                                                 |
|---------------------------------|---------|--------------------------------------------------------------|
| Sodium carbonate (CAS 497-19-8) |         |                                                              |
| <b>Aquatic</b>                  |         |                                                              |
| 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 substance.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data 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

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international 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** Dispose of in accordance with local regulations. 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** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

Transportation information on packaging may be different from that listed.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### TDG

Not regulated as dangerous goods.

## 15. Regulatory information

**Canadian 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.

### Canada DSL Inventory: Registration Status

Carbonic acid disodium salt (CAS 497-19-8) Listed

### Controlled Drugs and Substances Act

Not regulated.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Precursor Control Regulations

Not regulated.

**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.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**

Yes

**Classified hazard categories**Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations****Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Not listed.

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Not regulated.

**DEA Exempt Chemical Mixtures Code Number**

Not regulated.

**US state regulations****US. California Proposition 65**

Not listed.

**International regulations****Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

| Country(s) or region | Inventory name                                                         | On inventory (yes/no)* |
|----------------------|------------------------------------------------------------------------|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada               | Domestic Substances List (DSL)                                         | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                | Existing Chemicals List (ECL)                                          | Yes                    |
| New Zealand          | New Zealand Inventory                                                  | Yes                    |
| Philippines          | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|-----------------------------------------------|------------------------|
| Taiwan                      | Taiwan Toxic Chemical Substances (TCS)        | Yes                    |
| 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)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**Issue date** 01-November-2019

**Version No.** 01

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