# Material Safety Data Sheet

Brite White

## Section 1. Chemical product and company identification

**Trade name** : Brite White

**Product use** : Laundry detergent

**Supplier** : Ecolab Co.
5105 Tomken Road
Mississauga ON L4W 2X5
1-800-352-5326

**Code** : 984674-01

**Date of issue** **30-July-2009**

**EMERGENCY HEALTH INFORMATION: 1-800-328-0026**
**Outside United States and Canada CALL 1-651-222-5352 (in USA)**

## Section 2. Hazards identification

**Physical state** : Solid. [Powder.]

**Emergency overview** : DANGER !

CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.
CAUSES RESPIRATORY TRACT IRRITATION.
Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

**Routes of entry** : Skin contact, Eye contact, Ingestion

**Potential acute health effects**

**Eyes** : Corrosive to eyes.

**Skin** : Corrosive to the skin.

**Inhalation** : Severely irritating to the respiratory system.

**Ingestion** : Causes burns to mouth, throat and stomach.

**See toxicological information (section 11)**

## Section 3. Composition/information on ingredients

| Name | CAS number | % by weight |
|---|---|---|
| SODIUM CARBONATE | 497-19-8 | 30 - 60 |
| SODIUM METASILICATE | 6834-92-0 | 7 - 13 |
| SODIUM DODECYLBENZENESULFONATE | 25155-30-0 | 7 - 13 |
| alcohols, c12-16, ethoxylated | 68551-12-2 | 5- 10 |
| precipitated silica | 112926-00-8 | 1 - 5 |

## Section 4. First-aid measures

**Eye contact** : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Inhalation** : If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention immediately.

**Ingestion** : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire-fighting measures

**Auto-ignition temperature** : Not available.

**Flash point** : > 100°C

**Flammable limits** : Not available.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides
metal oxide/oxides

**Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

Dyke area of fire to prevent runoff.

No specific fire or explosion hazard.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

## Section 6. Accidental release measures

**Personal precautions** : Immediately contact emergency personnel. Stop leak if without risk. Use suitable protective equipment. Keep unnecessary personnel away. Do not touch or walk through spilt material.

**Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up** : If emergency personnel are unavailable, vacuum or carefully scoop up spilt material and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal.

## Section 7. Handling and storage

**Handling** : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

**Storage** : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed.

Do not store below the following temperature: 0°C

## Section 8. Exposure controls/personal protection

**Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

**Personal protection :**

**Eyes** : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

**Hands** : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions. For prolonged or repeated handling, use Impervious gloves.

**Skin** : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

**Respiratory** : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

| Name | Exposure limits |
|---|---|

precipitated silica

**CA Quebec Provincial (Canada, 6/2008).**
TWAEV: 6 mg/m³ 8 hour(s). Form: Respirable dust.
**CA Alberta Provincial (Canada, 6/2008).**
8 hrs OEL: 10 mg/m³ 8 hour(s).
**CA British Columbia Provincial (Canada, 6/2008).**
TWA: 4 mg/m³ 8 hour(s).
TWA: 1.5 mg/m³ 8 hour(s). Form: Respirable
**CA Ontario Provincial (Canada, 6/2008).**
TWAEV: 10 mg/m³ 8 hour(s).

## Section 9. Physical and chemical properties

| | | |
|---|---|---|
| **Physical state** | : | Solid. [Powder.] |
| **Colour** | : | Blue. [Light] |
| **Odour** | : | Floral. |
| **pH** | : | 11.6 [Conc. (% w/w): 1%] |
| **Boiling/condensation point** | : | Not available. |
| **Melting/freezing point** | : | Not available. |
| **Vapour pressure** | : | Not available. |
| **Vapour density** | : | Not available. |
| **Odour threshold** | : | Not available. |
| **Evaporation rate** | : | Not available. |
| **Log$K_{ow}$** | : | Not available. |
| **Solubility** | : | Easily soluble in the following materials: cold water and hot water. |

## Section 10. Stability and reactivity

| | | |
|---|---|---|
| **Stability** | : | The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur. |
| **Conditions of instability** | : | Not available. |
| **Reactivity** | : | Reactive or incompatible with the following materials: oxidizing materials and acids. |
| **Hazardous decomposition products** | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| **Hazardous polymerisation** | : | Under normal conditions of storage and use, hazardous polymerisation will not occur. |

## Section 11. Toxicological information

**Potential acute health effects**

| | | |
|---|---|---|
| **Eyes** | : | Corrosive to eyes. |
| **Skin** | : | Corrosive to the skin. |
| **Inhalation** | : | Severely irritating to the respiratory system. |
| **Ingestion** | : | Causes burns to mouth, throat and stomach. |

**Potential chronic health effects**

| | | |
|---|---|---|
| **Carcinogenic effects** | : | No known significant effects or critical hazards. |
| **Mutagenic effects** | : | No known significant effects or critical hazards. |
| **Teratogenic effects** | : | No known significant effects or critical hazards. |
| **Reproductive effects** | : | No known significant effects or critical hazards. |
| **Sensitization to Product** | : | No known significant effects or critical hazards. |

**Synergistic products (toxicologically)** : Not available.

**Toxicity data**

| Ingredient name | Test | Route | Result | Species |
|---|---|---|---|---|
| sodium carbonate | LD50 | Dermal | >2000 mg/kg | Rabbit |
| | LD50 | Oral | 6600 mg/kg | Mouse |
| | LD50 | Oral | 4090 mg/kg | Rat |
| | LC50 | Inhalation | 2300 mg/m3 | Rat |
| sodium dodecylbenzene sulfonate | LD50 | Oral | 438 mg/kg | Rat |
| | LD50 | Oral | 1330 mg/kg | Mouse |
| disodium metasilicate | LD50 | Oral | >1000 mg/kg | Rat |
| | LD50 | Oral | 770 mg/kg | Mouse |
| | LD50 | Oral | 1153 mg/kg | Rat |

**Target organs** : Not available.

# Section 12. Ecological information

**Ecotoxicity**

| Ingredient name | Species | Period | Result |
|---|---|---|---|
| sodium carbonate | Daphnia | 48 hours | Acute EC50 347 mg/L |
| | Daphnia - Water flea - Neonate - 24 hours | 48 hours | Acute EC50 199.82 to 298.9 mg/L Fresh water |
| | Fish | 96 hours | Acute LC50 740 mg/L |
| | Fish | 96 hours | Acute LC50 <850 mg/l |
| | Fish | 96 hours | Acute LC50 320 mg/l |
| | Fish | 96 hours | Acute LC50 300 mg/l |
| | Fish - Bluegill | 96 hours | Acute LC50 320000 ug/L Fresh water |
| | Fish - Bluegill - 3.88 cm - 0.96 g | 96 hours | Acute LC50 300000 ug/L Fresh water |
| | Daphnia - Water flea | 48 hours | Acute LC50 265000 ug/L Fresh water |
| | Fish - Western mosquitofish - Adult | 96 hours | Acute LC50 740000 ug/L Fresh water |
| | Daphnia - Water flea - 24 hours | 48 hours | Acute LC50 1640000 to 2030000 ug/L Fresh water |
| | Daphnia - Water flea - 24 hours | 48 hours | Acute LC50 1020000 to 1170000 ug/L Fresh water |
| | Daphnia - Water flea | 48 hours | Acute LC50 565000 ug/L Fresh water |
| | Fish - Fathead minnow - 1 to 7 days | 96 hours | Acute LC50 <850000 ug/L Fresh water |
| sodium dodecylbenzene sulfonate | Daphnia - Water flea - Neonate - <24 hours | 48 hours | Acute EC50 7.81 to 14.51 mg/L Fresh water |
| | Daphnia - Water flea | 48 hours | Acute EC50 5.88 ppm Fresh water |
| | Daphnia - Water flea - Neonate - <24 hours | 48 hours | Acute LC50 9.546 to 9.6 mg/L Fresh water |
| | Fish - Rainbow trout,donaldson trout | 96 hours | Acute LC50 1.68 ppm Fresh water |
| | Fish - Bluegill | 96 hours | Acute LC50 1.18 ppm Fresh water |
| | Fish - Catfish - 12 to 16 cm | 96 hours | Acute LC50 6900 ug/L Fresh water |
| | Fish - Bluegill - Young of the | 96 hours | Acute LC50 6500 ug/L |

| | | | |
|---|---|---|---|
| | Fish - Rainbow trout,donaldson trout - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours | Acute LC50 3200 to 5600 ug/L Fresh water |
| | Daphnia - Water flea | 48 hours | Acute LC50 19870 ug/L Fresh water |
| | Fish - Catfish - 12 to 16 cm | 96 hours | Acute LC50 7160 ug/L Fresh water |
| | Fish - Catfish - 12 to 16 cm | 96 hours | Acute LC50 7079 to 7638 ug/L Fresh water |
| | Fish - Catfish - 12 to 16 cm | 96 hours | Acute LC50 6969 to 7614 ug/L Fresh water |
| | Fish - Catfish - 12 to 16 cm | 96 hours | Acute LC50 6926 to 7346 ug/L Fresh water |
| disodium metasilicate | Daphnia | 48 hours | Acute EC50 4857 mg/L |
| | Fish | 96 hours | Acute LC50 3185 mg/L |
| | Fish | 96 hours | Acute LC50 2320 mg/L |

## Section 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Consult your local or regional authorities.**

## Section 14. Transport information

**Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.**

**UN Classification**

| | |
|---|---|
| **UN number** | UN3253 |
| **Proper shipping name** | DISODIUM TRIOXOSILICATE mixture |
| **Class** | 8 |
| **Packing group** | III |

See shipping documents for specific transportation information.

## Section 15. Regulatory information

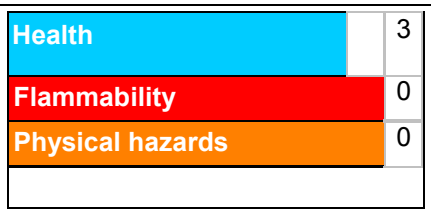
**WHMIS** : Class E: Corrosive material

**Canada inventory** : All components are listed or exempted.

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

## Section 16. Other information

**Hazardous Material Information System (U.S.A.)** :




**Date of issue** : **30-July-2009.**

# Section 16. Other information

**Responsible name** : **Regulatory Affairs**
**1-800-352-5326**

**Date of previous issue** : **26-September-2008.**

**Notice to reader**

**The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**