

Section I. Product Identification and Uses

**HMIS (HFRP)**  
**Health Hazard** 2  
**Fire Hazard** 0  
**Reactivity** 1  
**Personal Protection** e

**Common / Trade name** TOP LINE CAPSULE **TDG** Class 8  
**WHMIS** D2B, E **PIN** UN1823 SODIUM HYDROXIDE, SOLID  
**Code** 0510 **PG** II  
**Material uses** Heavy duty chlorinated detergent for automatic dishwasher

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Sodium carbonate	497-19-8	15 - 40	Not available.	ORAL (LD50): Acute: 2390 mg/kg [Rat].
Sodium hydroxide	1310-73-2	10 - 30	ACGIH TLV (Canada). CEIL: 2 mg/m <sup>3</sup> H <sup>3</sup> n	ORAL (LD50): Acute: 500 mg/kg [Rabbit].
Sodium silicate (SiO <sub>2</sub> :Na <sub>2</sub> O ratio more than 2,4:1)	1344-09-8	1 - 5		Not available.

Section III. First Aid Measures

**Eye contact** IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.  
**Skin contact** In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes.If irritation persists, get medical attention.  
**Inhalation** Allow to rest in a well ventilated area. If discomfort persists seek medical attention.  
**Ingestion** Do not induce vomiting.If swallowed, rinse mouth with water (only if the person is conscious), drink several glasses of water.Seek medical attention.

Section IV. Physical Data

<b>Physical state and appearance</b>	Solid.	<b>Colour</b>	White.
<b>pH (1% soln/water)</b>	11.9 to 12.5 (Conc. (% w/w): 1) [Basic.]	<b>Odour</b>	Chlorine
<b>pH (concentrate)</b>	Not applicable	<b>Volatility</b>	Not available.
<b>Boiling point</b>	Not applicable.	<b>Vapour density</b>	Not available.
<b>Specific gravity</b>	Not determined.	<b>Vapour pressure</b>	Not applicable.
<b>Solubility</b>	Soluble in water.		

Section V. Fire and Explosion Data

**The product is** Non-flammable.  
**Auto-ignition temperature** Not applicable.  
**Flash points** Not applicable.  
**Degradation products** Carbon oxides (CO, CO<sub>2</sub>), sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>...).  
**Extinguishing media** Use DRY chemicals, CO<sub>2</sub>, water spray or foam.

Section VI. Reactivity data

**Stability** The product is stable.  
**Decomp. products** Toxic fumes such as hydrogen chloride gas may be released when in contact with acids.  
**Reactivity** Reactive with oxidizing materials, reducing materials and acids.

Section VII. Toxicological properties

**Route of entry** Eye contact. Skin contact. Ingestion. Inhalation.  
**Toxicity for animals** See section II.  
**Acute effects** Dangerous in case of skin contact (corrosive), of ingestion, of eye contact (corrosive). Skin contact may produce burns. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing.  
**Chronic effects** No ingredient in this product is currently listed as carcinogens by IARC, NTP, OSHA, EU and ACGIH.Repeated exposure may cause chronic eye and skin irritation.

**Section VIII. Preventive measure**

- Waste disposal** Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
- Storage** Corrosive materials should be stored in a separate safety storage cabinet or room. Store in a dry, cool and well ventilated area.
- Precautions** Avoid contact with eyes, skin and clothing. Do not breathe dust.
- Spill and leak** Corrosive solid! Use appropriate tools to put the spilled solid in a convenient waste disposal container.
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**Section IX. Personal protective equipment**

- Gloves** Gloves.
- Respiratory** Wear appropriate respirator when ventilation is inadequate.
- Eyes** Splash goggles.
- Other** Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.
- Eng. controls** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
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**Section X. Preparation and other Information**

Validated by the Regulatory Affairs Department on 16 July 2014

**EMERGENCY: CANUTEC 613-996-6666**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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**Annex A. Legend**

- HMIS** Hazardous Materials Identification System
- WHMIS** WHMIS Workplace Hazardous Materials Information System
- TDG** Transport Dangerous Goods
- PIN** Product Identification Number
- PG** Packaging Group
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