

Section I. Product Identification and Uses

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

<b>Common / Trade name</b>	FORGE HARD SURFACE CLEANER	<b>TDG</b>	Class 8
<b>WHMIS</b>	D1A, D2B, E	<b>PIN</b>	UN3253 DISODIUM TRIOXOSILICATE
<b>Code</b>	0569	<b>PG</b>	III
<b>Material uses</b>	Industrial applications: Cleaner and degreaser for floors.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Sodium metasilicate	6834-92-0	30 - 60	Not available.	ORAL (LD50): Acute: 1153 mg/kg [Rat]. 770 mg/kg [Mouse]. 1280 mg/kg [Rat].
Sodium carbonate	497-19-8	10 - 30	Not available.	ORAL (LD50): Acute: 4090 mg/kg [Rat].
Sodium tripolyphosphate	7758-29-4	1-5	Not available	Not available
2-Butoxyethanol	111-76-2	0.5 - 1.5	ACGIH TLV TWA: 20 ppm EU OEL Skin VME: 25 ppm	ORAL (LD50): Acute: 1480 mg/kg [Rat.]. 1230 mg/kg [Mouse]. 320 mg/kg [Rabbit]. DERMAL (LD50): Acute: 400 mg/kg [Rabbit]. VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat]. 927 ppm 4 hour(s) [Mouse].

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** Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.

**Inhalation** Allow to rest in a well ventilated area. Seek immediate medical attention.

**Ingestion** DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention. NEVER give an unconscious person anything to ingest.

Section IV. Physical Data

<b>Physical state and appearance</b>	Solid.	<b>Colour</b>	Orange.
<b>pH (1% soln/water)</b>	12 to 12.5 [1% w/w]	<b>Odour</b>	Pine.
<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 available.	<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>), phosphates.

**Extinguishing media** Use DRY chemicals, CO<sub>2</sub>, water spray or foam.

Section VI. Reactivity data

**Stability** The product is stable.

**Decomp. products** See fire degradation products.

**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** CARCINOGENIC EFFECTS: No ingredient in this product is currently listed as carcinogens by IARC, NTP or OSHA. MUTAGENIC EFFECTS: Classified None. for human [2-Butoxyethanol]. TERATOGENIC EFFECTS: Classified None. for human [2-Butoxyethanol]. DEVELOPMENTAL TOXICITY-2-Butoxyethanol : No evidence of risk in human. 2-Butoxyethanol : In animals, effects have been reported on the following organs : Blood (hemolysis), secondary effect to the kidney and liver. Human red blood cells have been shown to be significantly less sensitive to hemolysis than those of rodents and rabbits.

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## Section VIII. Preventive measure

**Waste disposal** Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.

**Storage** Keep container tightly closed. Keep container in a cool, well-ventilated area.

**Precautions** Keep container dry. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from incompatibles such as oxidizing agents, organic materials, metals, acids, alkalis, moisture.

**Spill and leak** Corrosive solid! Use appropriate tools to put the spilled solid in a convenient waste disposal container. Dilute with water and mop up, or absorb with an inert DRY material.

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## Section IX. Personal protective equipment

**Gloves** Gloves.

**Respiratory** Wear appropriate respirator when ventilation is inadequate.

**Eyes** Safety glasses.

**Other** Dust respirator. 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 July 15th 2011

### 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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