

Section I. Product Identification and Uses

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

<b>Common / Trade name</b>	ALUMA CLEAN	<b>TDG</b>	Class 8
<b>WHMIS</b>	D2B, E	<b>PIN</b>	UN3253 DISODIUM TRIOXOSILICATE
<b>Code</b>	0607	<b>PG</b>	III
<b>Material uses</b>	Industrial applications: Detergent for automatic dishwasher		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Sodium metasilicate	6834-92-0	10-30	Not available.	Not available
Sodium carbonate	497-19-8	10-30	Not available.	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** 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 or milk. 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>	White.
<b>pH (1% soln/water)</b>	11.5;12.5	<b>Odour</b>	Odorless.
<b>pH (concentrate)</b>	Not available.	<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>	Easily soluble in cold water, hot water, methanol. Insoluble in diethyl ether, n-octanol.		

Section V. Fire and Explosion Data

**The product is** Non-flammable.

**Auto-ignition temperature** Not applicable.

**Flash points** Not applicable.

**Degradation products** Oxyde de carbones (CO, CO2), phosphates metallic oxides.

**Extinguishing media** Not applicable

Section VI. Reactivity data

**Stability** The product is stable.

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

**Reactivity** Incompatible with some strong 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: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe 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** Keep locked up. Keep container dry. DO NOT ingest. Do not breath dusts. Avoid contact with eyes and skin. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep out of reach of children.
- 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 (neoprene, nitrile or PVC)
- Respiratory** Wear dust protection mask when ventilation is inadequate.
- Eyes** Splash goggles.
- Other** Synthetic apron. Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire, spill.
- 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 19 Feb. 2009

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**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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