

Section I. Product Identification and Uses

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

Common / Trade name N 18 MW AUTOMATIC DISH DET. **TDG** Class 8
WHMIS D2A, E **PIN** UN1824 SODIUM HYDROXIDE SOLUTION
Code 0360 **PG** II
Material uses Industrial applications: Machine dish detergent.

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Trisodium nitrilotriacetate monohydrate	18662-53-8	10-30	Not available.	ORAL (LD50): Acute: 1470 mg/kg [Rat].
Sodium hydroxide	1310-73-2	7-13	ACGIH TLV (Canada). CEIL: 2 mg/m ³ H ³ n	ORAL (LD50): Acute: 500 mg/kg [Rabbit].

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

Physical state and appearance	Liquid. (Clear.)	Colour	Colorless.
pH (1% soln/water)	11.5 to 12.5 (Conc. (% w/w): 1) [Basic.]	Odour	Odorless.
pH (concentrate)	13 - 14	Volatility	Not available.
Boiling point	The lowest known value is 100°C (212°F) (Water).	Vapour density	The highest known value is 1 (Air = 1) (Water).
Specific gravity	1.1 to 1.3 (Water = 1)	Vapour pressure	The highest known value is 2.3 kPa (at 20°C) (Water).
Solubility	Easily soluble in cold water and hot 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, CO₂) nitrogen oxides (NO, NO₂...)
Extinguishing media Use DRY chemicals, CO₂, 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, acids, moisture and soft metals.

Section VII. Toxicological properties

Route of entry Eye contact. Ingestion. Skin contact.
Toxicity for animals See section II
Acute effects Dangerous in case of skin contact (corrosive), of ingestion, of eye contact (corrosive). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns.
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 contact with spray mist may produce chronic eye, skin and gastro-respiratory tract 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 breathe gas, fumes, vapor or spray. 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** Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
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Section IX. Personal protective equipment

- Gloves** Gloves.
- Respiratory** Wear appropriate respirator when ventilation is inadequate.
- Eyes** Safety glasses.
- 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 13 Sep. 2010

Printed 1 Feb. 2011

EMERGENCY: 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.

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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