

AVMOR  
950 MICHELIN  
LAVAL QC H7L 5C1

### Section I. Product Identification and Uses

#### HMIS (HFRP)

**Health Hazard** 2

**Fire Hazard** 3

**Reactivity** 0

#### Personal Protection r

<b>Common / Trade name</b>	ZYTROX Indus.Odour Destroyer	<b>TDG</b>	Class 3
<b>WHMIS</b>	B2, D1B, D2B	<b>PIN</b>	UN1993 FLAMMABLE LIQUID, N.O.S (Isopropanol)
<b>Code</b>	1238	<b>PG</b>	III
<b>Material uses</b>	Odour destroyer		

### Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Isopropyl alcohol	67-63-0	10 - 30	ACGIH TLV (Canada). TWA: 400 ppm 8 hour (s).	ORAL (LD50): Acute: 3600 mg/kg [Mouse]. > 4720 mg/kg [Rat].
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	1 - 5	Not available.	ORAL (LD50): Acute: 426 mg/kg [Rat]. 919 mg/kg [Mouse].

### Section III. First Aid Measures

<b>Eye contact</b>	IMMEDIATELY flush eyes with running water keeping eyelids open. If irritation persists, get medical attention.
<b>Skin contact</b>	Rinse with running water. If irritation persists, seek medical attention.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area. Seek medical attention if discomfort persists.
<b>Ingestion</b>	DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention.

### Section IV. Physical Data

<b>Physical state and appearance</b>	Liquid (Clear).	<b>Colour</b>	Dark green.
<b>pH (1% soln/water)</b>	8 [Basic.]	<b>Odour</b>	Deodorant odor
<b>pH (concentrate)</b>	7.0-9.5	<b>Volatility</b>	85% (v/v).
<b>Boiling point</b>	100°C (212°F)	<b>Vapour density</b>	Weighted average: 1.03 (Air = 1)
<b>Specific gravity</b>	0.965- 0.985(Water = 1)	<b>Vapour pressure</b>	Weighted average: 17.7 mm of Hg (@ 20°C)
<b>Solubility</b>	Easily soluble in cold water, hot water, methanol.		

### Section V. Fire and Explosion Data

<b>The product is</b>	Flammable.
<b>Auto-ignition temperature</b>	398.89°C (750°F) (Isopropyl alcohol).
<b>Flash points</b>	Open cup: 36°C (96.8°F) (C.O.C.).
<b>Degradation products</b>	These products are carbon oxides (CO, CO2).
<b>Extinguishing media</b>	SMALL FIRE: Use DRY chemicals, CO2, water spray. LARGE FIRE: Use water spray or fog.

### Section VI. Reactivity data

<b>Stability</b>	The product is stable.
<b>Decomp. products</b>	See fire degradation products.
<b>Reactivity</b>	Reactive with oxidizing agents, acids.

### Section VII. Toxicological properties

<b>Route of entry</b>	Ingestion. Eye contact. Skin contact.
<b>Toxicity for animals</b>	Acute toxicity of the gas (LC50): 16971 ppm 4 hour(s) [Rat]. (Isopropyl alcohol).
<b>Acute effects</b>	May cause severe eye irritation and skin irritation by sensitization. Harmful if swallowed. Inhalation of the spray mist may produce some irritation of respiratory tract.
<b>Chronic effects</b>	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Ethanol and Isopropanol are classified: Proven Reproductive system/toxin/female/male. The substance is toxic to blood, kidneys, the reproductive system, liver.

**Section VIII. Preventive measure**

- Waste disposal** Dispose of material according to regional, provincial and federal regulations.
- Storage** Store in a dry, cool and well ventilated area. Store and use away from heat, sparks, open flame, or any other ignition source.
- Precautions** DO NOT ingest. Avoid contact with skin and eyes. Do not breathe gas, fumes, vapor or spray. Keep away from heat, sparks, open flame, or any other ignition source. Keep out of reach of children. Keep away from incompatibles.
- 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 (impervious)
- Respiratory** Not applicable.
- 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 1 Sep. 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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