

Section I. Product Identification and Uses

		<b>HMIS (HFRP)</b>	
		<b>Health Hazard</b>	2
		<b>Fire Hazard</b>	2
		<b>Reactivity</b>	0
		<b>Personal Protection</b>	b
<b>Common / Trade name</b>	ENVIRO GREASE TRAP CLEANER	<b>TDG</b>	Class 3
<b>WHMIS</b>	B3, D2B	<b>PIN</b>	UN 1993 FLAMMABLE LIQUID, N.O.S (Isopropanol)
<b>Code</b>	0888	<b>PG</b>	III
<b>Material uses</b>	Environmentally safe grease trap cleaner		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Alkoxy polyethylenoxy ethanol	68439-46-3	5 - 10	Not available.	ORAL (LD50): Acute: 1400 mg/kg [Rat].
Isopropyl alcohol	67-63-0	1 - 5	Not available.	ORAL (LD50): Acute: 3600 mg/kg [Mouse.], > 4720 mg/kg [Rat].
ORANGE TERPENES	68647-72-3	1 - 5	Not available.	Not available.
ALKYLBENZENESULFONIC ACID (C10-C16)	68584-22-5	1 - 5	Not available.	ORAL (LD50): Acute: 890 mg/kg [Rat].
Diethanolamine	111-42-2	1 - 5	Not available.	ORAL (LD50): Acute: 710 mg/kg [Rat]. DERMAL (LD50): Acute: 12200 mg/kg [Rabbit].

Section III. First Aid Measures

<b>Eye contact</b>	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, get medical attention.
<b>Skin contact</b>	Gently and thoroughly wash the skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area.
<b>Ingestion</b>	DO NOT induce vomiting. Have conscious person drink several glasses of water. NEVER give an unconscious person anything to ingest. Seek immediate medical attention.

Section IV. Physical Data

<b>Physical state and appearance</b>	Liquid.	<b>Colour</b>	Straw to light yellow
<b>pH (1% soln/water)</b>	8.6 to 9.5 (Conc. (% w/w): 100) [Basic.]	<b>Odour</b>	Lemon like.
<b>pH (concentrate)</b>	8.6-9.5	<b>Volatility</b>	Not available
<b>Boiling point</b>	Not available.	<b>Vapour density</b>	Weighted average: 1.14 (Air = 1)
<b>Specific gravity</b>	0.978 to 0.99 (Water = 1)	<b>Vapour pressure</b>	Not available.
<b>Solubility</b>	Easily soluble in hot water, methanol. Soluble in cold water, diethyl ether. Very slightly soluble in n-octanol.		

Section V. Fire and Explosion Data

<b>The product is</b>	COMBUSTIBLE.
<b>Auto-ignition temperature</b>	Not available.
<b>Flash points</b>	Closed cup: 46°C (114.8°F).
<b>Degradation products</b>	Not available.
<b>Extinguishing media</b>	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.

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.

Section VII. Toxicological properties

<b>Route of entry</b>	Ingestion. Eye contact. Skin contact. Inhalation.
<b>Toxicity for animals</b>	See section II
<b>Acute effects</b>	This product may irritate eyes and skin. Harmful if swallowed.

**Chronic effects** CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated exposure may cause chronic eye and skin irritation.

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#### Section VIII. Preventive measure

**Waste disposal** Dispose of material according to regional, provincial and federal regulations.

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

**Precautions** Keep away from heat, from sources of ignition and out of reach of children. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Avoid contact with skin and eyes.

**Spill and leak** Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

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#### Section IX. Personal protective equipment

**Gloves** Gloves (impervious)

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

**Eyes** Safety glasses.

**Other** Full suit, boots, face shield, plastic apron: are recommended under exceptional circumstances such as fire or 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

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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 or 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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