
Section I. Product Identification and Uses

		HMIS (HFRP)	
		Health Hazard	1
		Fire Hazard	0
		Reactivity	0
		Personal Protection	b
Common / Trade name	NUTRA Degr.Deodo.Pine Oil Base	TDG	Not controlled under TDG (Canada).
WHMIS	D2B	PIN	None
Code	1274	PG	None
Material uses	Industrial applications: Floor soap.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Nonyl phenol ethoxylate	9016-45-9	5-10	Not available.	ORAL (LD50): Acute: 1310 mg/kg [Rat].
Pine oil	8002-09-3	3 - 7	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	Wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention.

Section IV. Physical Data

Physical state and appearance	Liquid. (Clear.)	Colour	Amber.
pH (1% soln/water)	Not available.	Odour	Pine.
pH (concentrate)	9.0-11.0	Volatility	87% (v/v).
Boiling point	100°C (212°F)	Vapour density	Weighted average: 1.32 (Air = 1)
Specific gravity	1.01-1.02(Water = 1)	Vapour pressure	The highest known value is 2.3 kPa (at 20°C) (Water).
Solubility	Easily soluble in cold water, hot water, methanol. Soluble in diethyl ether. Very slightly soluble in n-octanol.		

Section V. Fire and Explosion Data

The product is	May be combustible at high temperatures.
Auto-ignition temperature	Not applicable.
Flash points	Not applicable.
Degradation products	Carbon oxides (CO, CO2).
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 agents, acids and bleach.

Section VII. Toxicological properties

Route of entry	Ingestion. Eye contact. Inhalation. Skin contact.
Toxicity for animals	Acute oral toxicity (LD50): > 4000 mg/kg [Rat].
Acute effects	Dangerous in case of ingestion, of skin contact (irritant, sensitizer, permeator), of eye contact (irritant), of inhalation. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract.
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. Prolonged exposure may cause skin and eye chronic irritation. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.

Section VIII. Preventive measure

- Waste disposal** Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
- Storage** Store in a dry, cool and well ventilated area. Keep away from incompatibles. Alkalis may be stored in heavy duty gauge steel containers.
- Precautions** Keep locked up and out of reach of children. Keep container dry. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Avoid contact with skin and eyes. Keep away from incompatibles. Keep away from sources of ignition.
- Spill and leak** 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.
- 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, 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

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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.

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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