

Section I. Product Identification and Uses

		<b>HMIS (HFRP)</b>	
		<b>Health Hazard</b>	3
		<b>Fire Hazard</b>	2
		<b>Reactivity</b>	0
		<b>Personal Protection</b> h	
<b>Common / Trade name</b>	PRESTO Graffiti Remover	<b>TDG</b>	Class 3(6.1)
<b>WHMIS</b>	B3, D1A, D2B	<b>PIN</b>	UN1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (Isopropanol)
<b>Code</b>	1280	<b>PG</b>	III
<b>Material uses</b>	Graffiti remover.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Diacetone alcohol	123-42-2	10 - 30	Not available.	ORAL (LD50): Acute: 4000 mg/kg [Rat]. 3959 mg/kg [Mouse]. DERMAL (LD50): Acute: 13600 mg/kg [Rabbit].
Ethylene glycol monobutyl ether	111-76-2	10 - 30	Not available.	ORAL (LD50): Acute: 1480 mg/kg [Rat.]. 1230 mg/kg [Mouse]. 320 mg/kg [Rabbit]. DERMAL (LD50): Acute: 400 mg/kg [Rabbit]. VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat]. 927 ppm 4 hour(s) [Mouse].
Light aromatic solvent naphtha (petroleum)	64742-95-6	5 - 10	Not available.	ORAL (LD50): Acute: 8400 mg/kg [Rat].
3-cyclohexene-1-methanol,alpha,alpha,4-trimethyl	98-55-5	5 - 10	Not available.	ORAL (LD50): Acute: 4300 mg/kg [Rat]. DERMAL (LD50): Acute: 3000 mg/kg [Rabbit].
Nonyl phenol ethoxylate	9016-45-9	1 - 5	Not available.	Not available.
Dimethyl sulfoxide	67-68-5	1 - 5	Not available.	ORAL (LD50): Acute: 17500 mg/kg [Rat]. 14500 mg/kg [Rat]. 16500 mg/kg [Mouse].
Acetate d'amyle normal	628-63-7	1 - 5	Not available.	ORAL (LD50): Acute: 16550 mg/kg [Rat].
Pine oil	8002-09-3	1 - 5	Not available.	Not available.
Limonene	138-86-3	1 - 5	Not available.	ORAL (LD50): Acute: 4800 mg/kg [Rat]. DERMAL (LD50): Acute: > 5000 mg/kg [Rabbit].
Isopropyl alcohol	67-63-0	1 - 5	Not available.	ORAL (LD50): Acute: 3600 mg/kg [Mouse.]. > 4720 mg/kg [Rat].

Section III. First Aid Measures

<b>Eye contact</b>	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
<b>Skin contact</b>	If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible. Thoroughly wash the contaminated skin with running water and non-abrasive soap.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area. Seek immediate medical attention. Oxygen may be administered if breathing is difficult.
<b>Ingestion</b>	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

<b>Physical state and apperance</b>	Liquid.	<b>Colour</b>	Hazy liquid. Amber.
<b>pH (1% soln/water)</b>	Acidic.	<b>Odour</b>	Sweetish.
<b>pH (concentrate)</b>	Not applicable	<b>Volatility</b>	96% (v/v).
<b>Boiling point</b>	85°C (185°F)	<b>Vapour density</b>	Weighted average: 3.75 (Air = 1)
<b>Specific gravity</b>	0.91 to 0.93 (Water = 1)	<b>Vapour pressure</b>	Weighted average: 71.19 mm of Hg (@ 20°C)
<b>Solubility</b>	Easily soluble in cold water, hot water, methanol. Soluble in 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>	215°C (419°F) (Dimethyl sulfoxide).
<b>Flash points</b>	Closed cup: 41.9°C (107.4°F).
<b>Degradation products</b>	These products are carbon oxides (CO, CO2).
<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.

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## 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. Very slightly reactive with reducing agents, organic materials, alkalis.

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## Section VII. Toxicological properties

<b>Route of entry</b>	Eye contact. Ingestion. Skin contact. Inhalation.
<b>Toxicity for animals</b>	Acute oral toxicity (LD50): 2200 mg/kg (Rat.) (Calculated value for the mixture). Acute dermal toxicity (LD50): 490 mg/kg (Rabbit.) (Ethylene glycol monobutyl ether). Acute toxicity of the gas (LC50): 700 ppm (Mouse) (Ethylene glycol monobutyl ether).
<b>Acute effects</b>	Very hazardous in case of ingestion. Hazardous in case of skin contact (corrosive, irritant, permeator), of eye contact (irritant), of inhalation. Hazardous in case of skin contact (sensitizer). Harmful by inhalation, in contact with skin and if swallowed.
<b>Chronic effects</b>	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Contains ingredients that are known to affect foetal development.

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## Section VIII. Preventive measure

<b>Waste disposal</b>	Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
<b>Storage</b>	Keep container dry, tightly closed. Keep in a cool, well-ventilated place.
<b>Precautions</b>	Keep locked up and out of reach of children. . In case of contact with eyes, rinse immediately with plenty of water. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wear suitable protective clothing, gloves and eye/face protection.
<b>Spill and leak</b>	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

<b>Gloves</b>	Gloves (impervious).
<b>Respiratory</b>	Wear appropriate respirator when ventilation is inadequate.
<b>Eyes</b>	Splash goggles.
<b>Other</b>	Vapor respirator, full suit, boots, gloves, plastic apron, face shield: are recommended under exceptional circumstances such as fire, spill or for prolonged contact with bulk quantities.
<b>Eng. controls</b>	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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### 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

<b>HMIS</b>	Hazardous Materials Identification System
<b>WHMIS</b>	WHMIS Workplace Hazardous Materials Information System
<b>TDG</b>	Transport Dangerous Goods
<b>PIN</b>	Product Identification Number
<b>PG</b>	Packaging Group

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