

Section I. Product Identification and Uses

		<b>HMIS (HFRP)</b>	
		<b>Health Hazard</b>	2
		<b>Fire Hazard</b>	1
		<b>Reactivity</b>	0
		<b>Personal Protection b</b>	
<b>Common / Trade name</b>	TIGER Oven Cleaner Aerosol	<b>TDG</b>	CLASS 2.2, (8)
<b>WHMIS</b>	A, B3, D1A, D2A, D2B, E	<b>PIN</b>	UN 1950 AEROSOLS, non-flammable, containing substances in class 8 PG II
<b>Code</b>	1015	<b>PG</b>	II
<b>Material uses</b>	Other non specified industry: Oven cleaner.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
2-Butoxyethanol	111-76-2	5 - 10	ACGIH TLV TWA: 20 ppm EU OEL Skin VME: 25 ppm	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].
Isobutane	75-28-5	3 - 7	ACGIH TLV TWA: 1000 ppm	VAPOR (LC50): Acute: 520000 ppm 4 hour(s) [Mouse].
Sodium hydroxide	1310-73-2	1 - 5	ACGIH TLV CEIL: 2 mg/m <sup>3</sup> H <sup>3</sup> n	ORAL (LD50): Acute: 500 mg/kg [Rabbit].

Section III. First Aid Measures

<b>Eye contact</b>	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention if irritation occurs.
<b>Skin contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Get medical attention immediately.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Ingestion</b>	Since the product is an aerosol and that it is mostly probable that it will be inhaled more than ingested, please consider first to look at the preventive measures in case of inhalation.

Section IV. Physical Data

<b>Physical state and appearance</b>	Aerosol	<b>Colour</b>	Beige.
<b>pH (1% soln/water)</b>	Not determined.	<b>Odour</b>	Mild.
<b>pH (concentrate)</b>	> 12	<b>Volatility</b>	Not determined.
<b>Boiling point</b>	100 to 171°C (212 to 339.8°F) (Liquid)	<b>Vapour density</b>	Not available.
<b>Specific gravity</b>	Liquid.1.02 to 1.06 (Water = 1)	<b>Vapour pressure</b>	Not determined.
<b>Solubility</b>	Soluble in water.		

Section V. Fire and Explosion Data

<b>The product is</b>	COMBUSTIBLE. (No flashback and no flame projection)
<b>Auto-ignition temperature</b>	245°C (473°F)
<b>Flash points</b>	(Liquid)Closed cup: 65.6°C (150.1°F). (T.C.C.)
<b>Degradation products</b>	Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.
<b>Extinguishing media</b>	Use extinguishing media suitable for surrounding materials.

Section VI. Reactivity data

<b>Stability</b>	The product is stable.
<b>Decomp. products</b>	Not applicable
<b>Reactivity</b>	Reactive with oxidizing agents.

Section VII. Toxicological properties

<b>Route of entry</b>	Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Toxicity</b>	See section II

**for animals**

**Acute effects** Causes eye and skin burns. Inhalation of the spray is corrosive for the respiratory tract, characterized by coughing, choking, or shortness of breath. Sodium hydroxide is corrosive. 2- Butoxyethanol is harmful by inhalation, in contact with skin and if swallowed. 2-Butoxyethanol is readily absorbed through the skin and will cause harmful effect on the blood.Irritating to eyes and skin. Isobutane (propellant) is a simple asphyxiant.

**Chronic effects** CARCINOGENIC EFFECTS :No ingredient in this product is currently listed as carcinogens by IARC, NTP or OSHA. MUTAGENIC EFFECTS: Classified None. for human [2-Butoxyethanol]. TERATOGENIC EFFECTS: Classified None. for human [2-Butoxyethanol]. Repeated or prolonged exposure to the substance (2-Butoxyethanol) can produce blood and liver dommage, based on animal evidence .

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**Section VIII. Preventive measure**

**Waste disposal** Recycle, if possible. Consult your local or regional authorities.

**Storage** Keep away from heat, sparks and flame.Store in a cool, well-ventilated area away from incompatible materials and ignition sources.

**Precautions** Avoid contact with eyes, skin and clothing.Do not breathe gas/fumes/ vapor/spray.Wear suitable gloves and eye/face protection.

**Spill and leak** Keep away from heat, sparks, open flame, or any other ignition source. Absorb with an inert material and place in an appropriate waste disposal container.

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**Section IX. Personal protective equipment**

**Gloves** Butyl rubber or Viton gloves.

**Respiratory** If used indoors on a continuous basis, use of a cartridge type respirator (NIOSH/MSHATC 23C or equivalent).In case of insufficient ventilation, wear suitable respiratory equipment.

**Eyes** Safety glasses.

**Other** Splash goggles, gloves, full suit and boots:are recommended under exceptional circumstances such as fire, spill or for prolonged contactwith bulk quantites.

**Eng. controls** Ventilation is normally required when handling or using this product.

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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.

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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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