

Section I. Product Identification and Uses

		HMIS (HFRP)	
		Health Hazard	2
		Fire Hazard	0
		Reactivity	1
		Personal Protection b	
Common / Trade name	SUPER DEGREASER BLUE	TDG	Class 8
WHMIS	D1A, D2B, E	PIN	1760 CORROSIVE LIQUIDS, N.O.S. (Ethanolamine)
Code	0341	PG	III
Material uses	Industrial applications: Detergent. Solvent.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
2-Butoxyethanol	111-76-2	5 - 10	ACGIH TLV (Canada). TWA: 20 ppm EU OEL (Canada). 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].
Potassium Hydroxide	1310-58-3	1 - 5	ACGIH TLV (Canada). CEIL: 2 mg/m ³ H3 ⁿ	ORAL (LD50): Acute: 273 mg/kg [Rat]. 365 mg/kg [Rat]. 388 mg/kg [Rat].
Sodium carbonate	497-19-8	1 - 5	Not available.	ORAL (LD50): Acute: 4090 mg/kg [Rat].
Ethanolamine	141-43-5	1-5	ACGIH TLV (Canada). TWA: 3 ppm STEL: 6 ppm	ORAL (LD50): Acute: 1720 mg/kg [Rat]. 620 mg/kg [Guinea pig]. 1000 mg/kg [Rabbit].

Section III. First Aid Measures

Eye contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, get medical attention.
Skin contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
Inhalation	Allow to rest in a well ventilated area. If discomfort persists seek medical attention.
Ingestion	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

Physical state and appearance	Liquid. (Clear.)	Colour	Blue.
pH (1% soln/water)	Basic.	Odour	Butyl.
pH (concentrate)	13-14	Volatility	Not available.
Boiling point	100°C (212°F)	Vapour density	Weighted average: 1.28 (Air = 1)
Specific gravity	1.045 to 1.055 (Water = 1)	Vapour pressure	Weighted average: 4.38 kPa (at 20°C)
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	Non-flammable.
Auto-ignition temperature	Not applicable.
Flash points	Not applicable.
Degradation products	Carbon oxides (CO, CO2) nitrogen oxides (NO, NO ² ...)
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	Incompatible with acids. Reactive with oxidizing agents, reducing agents, metals, alkalis

Section VII. Toxicological properties

Route of entry	Eye contact. Ingestion. Inhalation. Skin contact.
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Toxicity for animals Acute oral toxicity (LD50): > 3000 mg/kg (RAT) (Calculated value).

Acute effects Dangerous in case of skin and eye contact (corrosive), of ingestion (corrosive to digestive system). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Harmful if inhaled. Harmful if absorbed through the skin.

Chronic effects Repeated or prolonged contact with spray mist may produce chronic eye, skin and respiratory tract irritation. 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.

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.

Precautions Keep container dry. DO NOT ingest. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Avoid breathing vapors or spray mists.

Spill and leak Absorb with an inert DRY material and place in an appropriate waste disposal container. Dispose of in accordance with federal, provincial, or local regulations.

Section IX. Personal protective equipment

Gloves Gloves (impervious)

Respiratory In case of insufficient ventilation, wear suitable respiratory equipment.

Eyes Safety glasses.

Other Full suit, boots, face shield: 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.

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
