

Section I. Product Identification and Uses

		HMIS (HFRP)	
		Health Hazard	2
		Fire Hazard	2
		Reactivity	0
		Personal Protection	b
Common / Trade name	BLUE STUFF Wind&Glass Cleaner	TDG	Class 3
WHMIS	B3, D1A, D2B	PIN	UN1993 FLAMMABLE LIQUID, N.O.S (Isopropanol)
Code	0169	PG	III
Material uses	Industrial applications: Window cleaner.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Isopropyl alcohol	67-63-0	7-13	Not available.	ORAL (LD50): Acute: 3600 mg/kg [Mouse]. > 4720 mg/kg [Rat].
2-Butoxyethanol	111-76-2	3-7	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].
Ethyl alcohol	64-17-5	0.1-1	Not available.	ORAL (LD50): Acute: 8300 mg/kg [Mouse]. 13700 mg/kg [Rat]. 17750 mg/kg [Rat].

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 In case of contact, immediately flush skin with plenty of water.

Inhalation Allow to rest in a well ventilated area. Seek medical attention if discomfort persists.

Ingestion DO NOT induce vomiting. Have conscious person drink several glasses of water. NEVER give an unconscious person anything to ingest. Seek medical attention.

Section IV. Physical Data

Physical state and appearance	Liquid. (Clear.)	Colour	Blue.
pH (1% soln/water)	Neutral.	Odour	Ammoniacal.
pH (concentrate)	10.0 - 11.0	Volatility	Not available.
Boiling point	Weighted average: 102.08°C (215.7°F)	Vapour density	Weighted average: 1.28 (Air = 1)
Specific gravity	0.97 to 0.99 (Water = 1)	Vapour pressure	Weighted average: 3.95 kPa (at 20°C)
Solubility	Miscible in water.		

Section V. Fire and Explosion Data

The product is	COMBUSTIBLE.
Auto-ignition temperature	Not applicable.
Flash points	Closed cup: 39°C (102.2°F).
Degradation products	These products are 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	Slightly reactive to reactive with oxidizing agents, acids.

Section VII. Toxicological properties

Route of entry	Ingestion. Skin contact. Eye contact. Inhalation.
Toxicity for animals	Acute oral toxicity (LD50): 7022 mg/kg [Rat]. Acute dermal toxicity (LD50): 220 mg/kg [Rabbit]. (2-Butoxyethanol).

Acute effects Dangerous in case of ingestion, of skin contact (irritant) of eye contact (irritant), of inhalation. This product may irritate eyes and skin upon contact.

Chronic effects No ingredient in this product is currently listed as carcinogens by IARC, NTP or OSHA. 2-Butoxyethanol : In animals, effects have been reported on the following organs : Blood (hemolysis), secondary effect to the kidney and liver. Human red blood cells have been shown to be significantly less sensitive to hemolysis than those of rodents and rabbits.

Section VIII. Preventive measure

Waste disposal Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.

Storage Keep in a cool, well-ventilated place. Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from direct sunlight or strong incandescent light. Keep away from incompatibles.

Precautions Keep out of the reach of children. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection.

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.

Section IX. Personal protective equipment

Gloves Nitrile gloves.

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

Eyes Safety glasses.

Other Apron, and boots are recommended under exceptional circumstances such as 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.

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 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.

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
