

Section I. Product Identification and Uses

HMIS (HFRP)
Health Hazard 1
Fire Hazard 4
Reactivity 0
Personal Protection b

Common / Trade name	GLOBAL CLEAN SANITIZING GEL	TDG	ETHANOL SOLUTION Class 3 UN1170 PGII
WHMIS	Not, controlled, under, WHMIS, (Canada).	PIN	UN 1170 ETHANOL SOLUTION
Code	1196	PG	II
Material uses	Hand sanitizer		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Ethyl alcohol	64-17-5	40-70	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 If irritation develops or increases, use of the product should be discontinued. If irritation persists for more than 5 days, consult a doctor.
Inhalation Allow the victim to rest in a well ventilated area.
Ingestion Have conscious person drink several glasses of water. Seek immediate medical attention. Do not induce vomiting.

Section IV. Physical Data

Physical state and appearance	Liquid. (Clear gel.)	Colour	Colorless.
pH (1% soln/water)	6 [Acidic.]	Odour	Citrus.
pH (concentrate)	6.0 - 7.3	Volatility	95% (v/v).
Boiling point	The lowest known value is 78.5°C (173.3°F). (Ethanol)	Vapour density	Weighted average: 1.36 (Air = 1)
Specific gravity	0.885 - 0.895 (Water = 1)	Vapour pressure	Weighted average: 4.37 kPa (at 20°C)
Solubility	Easily soluble in cold water, hot water.		

Section V. Fire and Explosion Data

The product is Flammable.
Auto-ignition temperature 399°C (750.2°F)
Flash points Closed cup: Between -18°C (0°F) and 23°C (73°F).
Degradation products These products are carbon oxides (CO, CO2).
Extinguishing media SMALL FIRE: Use DRY chemicals, CO2, alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Section VI. Reactivity data

Stability The product is stable.
Decomp. products See fire degradation products.
Reactivity Slightly reactive to reactive with oxidizing agents.

Section VII. Toxicological properties

Route of entry Ingestion. Inhalation. Eye contact. Skin contact.
Toxicity for animals Acute oral toxicity (LD50): 7060 mg/kg [Rat.]. (Ethanol).
Acute effects Dangerous in case of ingestion, of inhalation. Slightly dangerous in case of eye contact (irritant). May cause dizziness, nausea or have anaesthetic effects if inhaled.
Chronic effects IARC-A3-Animal Carcinogen (ethyl alcohol). Unknown on human.Repeated skin exposure can produce local skin defatting or dermatitis.

Section VIII. Preventive measure

- Waste disposal** Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
- Storage** Keep away from heat, from sources of ignition. Keep in a cool, well-ventilated place. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).
- Precautions** Keep away from heat. Keep away from sources of ignition. DO NOT ingest. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids. Avoid contact with eyes.
- Spill and leak** Eliminate all sources of ignition and ventilate the area. Absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning the spill area with running water. Dispose of in accordance with federal, provincial, or local regulations.
-

Section IX. Personal protective equipment

- Gloves** Gloves (impervious) are recommended for prolonged contact with bulk quantities.
- Respiratory** In case of insufficient ventilation, wear suitable respiratory equipment.
- Eyes** Splash goggles are recommended for prolonged contact with bulk quantities.
- Other** Face shield, full suit, boots: are recommended under exceptional circumstances such as fire, spill or for prolonged contact with bulk quantities.
- Eng. controls** Provide exhaust ventilation 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

Validated by the Regulatory Affairs Department on 28 Aug. 2009

Printed 23 Feb. 2010

CHEMTREC : (800) 424-9300

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
-