

Section I. Product Identification and Uses

		HMIS (HFRP)	
		Health Hazard	1
		Fire Hazard	4
		Reactivity	0
		Personal Protection	b
Common / Trade name	CITRUS HAND SANITIZER UNIV.DIN	TDG	Class 3
WHMIS	B2, D2B	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 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. Induce vomiting. Seek immediate medical attention.

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	0.890 - 0.896 (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	No ingredient in this product is currently listed as carcinogens by IARC, NTP or OSHA.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).
Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment.
Eyes	Splash goggles.
Other	Face shield, full suit, boots:are recommended under exceptional circumstances such as fire, spill or for prolonged contactwith bulk quantites.
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 27 Mar. 2007

Printed 27 Mar. 2007

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
