Empack Spraytech Inc. 98 Walker Drive Brampton, Ontario, L6T 4H6 Canada 905-792-6571

PRODUCT: ZGB Clear Gel Hand Sanitizer 70% Pro - 1 L

spraytech inc.

SECTION 01: IDENTIFICATION

Product Identity Product Item Numbers Manufacturer	ZGB Clear Gel Hand Sanitizer 70% Pro - 1 L P1-001217 Empack Spraytech Inc. 98 Walker Drive Brampton Ontario Canada L6T 4H6 905-792-6571
24 hour emergency telephone number	In Canada: Call CANUTEC (613) 996-6666 - In The United States: Call CHEMTREC (800) 424-9300.
Recommended Use	

SECTION 02: HAZARD IDENTIFICATION



Label Elements: Signal Word Hazard Classification: Physical Hazards	
Health Hazards Environmental Hazards	Eye Irritation - Category 2B. Specific Target Organ Toxicity, Single Exposure - Category 3. Not Classified.
Hazard Statement	H226:Flammable liquid and vapour. H320:Causes eye irritation. H335:May cause respiratory irritation.
Precautionary Statements:	
Prevention	P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233:Keep container tightly closed. P240:Ground and bond container and receiving equipment. P242:Use non-sparking tools. P243:Take action to prevent static discharges. P241:Use explosion-proof electrical/ventilating/lighting . P261:Avoid breathing dust/fume/gas/mist/vapours/spray. P271:Use only outdoors or in a well-ventilated area.
Response	P303+P361+P353:IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P370+P378:In case of fire: Use CO2, dry chemicals or foam to extinguish. P305+P351+P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313:If eye irritation persists: Get medical advice/attention. P304+P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312:Call a POISON CENTER if you feel unwell.
Storage	P403+P235:Store in a well ventilated place. Keep cool. P233:Keep container tightly closed. P405: Store locked up.
Disposal	
Hazard(s) not otherwise classified (HNOC)	

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS CHEMICAL NAME AND SYNONYMS CAS # WT. % Ctbul classed 60.80

Ethyl alcohol

64-17-5

60-80

SECTION 04: FIRST-AID MEASURES

Skin Contact	The product is not expected to be skin irritant. However, if irritation persists, wash the
Eye Contact	contact skin area with soap and water. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.



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Ingestion	Ingestion is not a likely route of exposure. Do not attempt to give anything by mouth to an unconscious person. If victim is alert and not convulsing, rinse mouth out and give 1/2 to 1 glass of water to dilute material. DO NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Obtain medical attention IMMEDIATELY. Obtain medical advice.
Inhalation Most important symptoms/effects, acute and delayed	No specific effects have been reported. Supply fresh air if any irritations persists.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 05: FIRE-FIGHTING MEASURES

Unsuitable Extinguishing Media	Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
Specific Hazards Arising from the Chemic	None in particular.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Remove all sources of ignition. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions. Keep people away from and upwind of
Methods and Materials for Containment and Cleaning Up	spill/leak. Use personal protective equipment. Non-sparking tools should be used. Soak up with inert absorbent material. Spill areas may be slippery. Use care to avoid falls or other accidents . Wash with plenty of water. Keep in
Environmental Precautions	suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling

Conditions for Safe Storage including any Incompatibilities

Avoid contact with eyes. Avoid breathing vapours or spray mists of this product. Use with adequate ventilation. Keep away from heat, sparks, and open flames. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	CGIH TLV STEL	OSH PEL	IA PEL STEL	NIOSH REL
Ethyl alcohol	1000 ppm	1000 ppm	1000 ppm	Not available	1000 ppm
Appropriate Engineering Individual Protection Mea Eye/Face Protection Skin Protection Respiratory Protection	asures:	Local exhaust ventilation r Value if unprotected perso Prevent eye contact, wear Not normally required. Not required on a short-ter NIOSH respirators for eme	nnel are involved. safety glasses in the rm basis or if exhaus	e event that eye contact i	s possible.
Thermal Hazards General Hygiene Conside	erations	When using, do not eat, di such as washing after han Routinely wash work cloth	rink or smoke. Alway dling the material an	d before eating, drinking,	hygiene measures, and/or smoking.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Physical Appearance	
Odour	Mild alcohol .
Odour Threshold (ppm)	Not available.
	6.0 - 7.5.
Aerosol Vapour Pressure (psig, 21°C)	Not applicable.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Vapour Pressure (psig) Evaporation Rate (n-Butyl Acetate = 1) Boiling Point (°C) Melting/Freezing Point (°C)	Not available. Not available. 78.3. (Ethanol). -115. Approximately. (Ethanol).
VOC Content	No data. No data.
Solubility in water	Soluble in water. 370. Approximately. (Ethanol). >. 23.
Lower Explosive Limit (%, vol) Upper Explosive Limit (%, vol) Viscosity	

SECTION 10: STABILITY AND REACTIVITY

Reactivity
Chemical Stability
Possibility of Hazardous Reactions
Conditions to Avoid
Incompatible Materials
Hazardous Decomposition Products

Product not reactive under normal conditions of use. Stable at normal temperatures and pressures. Will not occur. Avoid sources of heat and flame, and electrostatic charge. Avoid contacting with oxidizers. Normal products of combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS		LC50	LD50
Ethyl alcohol		I 31,623 ppm (Rat - 4 hrs)	I 7,060 mg/kg (Oral - Rat); 20,000 mg/kg (Dermal - Rabbit)
Routes of entry - Skin Absorption	No. Yes. Irritant effects. No known significant effe Based on available data, Direct contact with eyes of Not expected to be a skir No information is availab Not classified as carcinog Based on available data, Specific target organ toxi Not classified. Based on available data,	ects. the classification criteria are not m causes temporary irritation. n or respiratory sensitizers. le, and no adverse effects are expe genic by ACGIH, IARC, OSHA or N the classification criteria are not m city single exposure Category 3. M the classification criteria are not m ects are known or anticipated.	ected. TP. et. ay cause respiratory irritation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	This product contains the following ingredients:. Ethyl alcohol (CAS#: 64-17-5): Toxicity to fish: LC50 14200 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 9300 mg/L, 48 hrs;
Persistence and degradability Bioaccumulation Potential Mobility in Soil Other Adverse Effects	The product itself has not been tested. The product itself has not been tested.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods.....

Dispose in accordance with local, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road) DOT (US-Road)
DOT (US-Road)
IMDG (International- Marine)
IATA (International- Air)

UN1170, ETHANOL SOLUTION with more than 24% ethanol, by volume, Class 3, PG III. UN1170, ETHANOL SOLUTION with more than 24% ethanol, by volume, Class 3, PG III. UN1170, ETHANOL SOLUTION with more than 24% ethanol, by volume, Class 3, PG III. UN1170, ETHANOL SOLUTION with more than 24% ethanol, by volume, Class 3, PG III.



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SECTION 15: REGULATORY INFORMATION

Canada Regulations: Domestic Substances List (DSL) US Regulations	Refer to Section 2 for a WHMIS 2015 Classification for this product. Yes. All substances contained in this product are listed on the TSCA inventory or are exempt.		
SECTION 16: OTHER INFORMATION			
Disclaimer	The information contained herin is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Empack assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.		
Abbreviations Prepared by Latest Revision	ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity. Regulatory Affairs		

ECIS

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