

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: Zytec Germ Buster Hand Sanitizer Gel 70% EtOH- 1050mL****CODE: 001208****SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Zytec Germ Buster Hand Sanitizer Gel 70% EtOH- 1050mL
 Product Item Numbers..... 001208
 Manufacturer..... Empack Spraytech Inc.
 98 Walker Drive
 Brampton
 Ontario
 Canada
 L6T 4H6
 905-792-6571
 24 hour emergency telephone number..... CANUTEC: (613)-996-6666 collect.
 Recommended Use..... Hand sanitizer.
 Consumer Commodity..... Yes.
 Hazard Ratings:
 HMIS..... Health: 1 Fire: 4 Reactivity: 0.
 NFPA Rating..... Health: 1 Fire: 4 Reactivity: 0.

SECTION 02: HAZARDS IDENTIFICATION

Emergency Overview..... Flammable. May irritate eyes. Harmful if swallowed. KEEP OUT OF REACH OF CHILDREN .
 Potential Health Effects:
 Eye Contact..... May cause irritation, redness and pain.
 Skin Contact Not expected to be irritating .
 Ingestion..... Ingestion may cause headache, nausea, vomiting and weakness.
 Inhalation..... Prolong inhalation of product may cause irritation.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Ethyl Alcohol	64-17-5	60-100

SECTION 04: FIRST AID MEASURES

Eye Contact..... Do not rub eyes. Flush eyes with water for minimum 15 minutes. Get medical attention, if irritation persists.
 Skin Contact..... Not applicable .
 Ingestion..... If swallowed, get medical attention immediately. Do not induce vomiting .
 Inhalation..... Not applicable .
 Additional Information..... Note to the doctor; treat symptomatically.

SECTION 05: FIRE FIGHTING MEASURES

Flammability Class..... Flammable.
 Extinguishing Media..... Carbon dioxide, dry chemicals, foam or water fog.
 Sensitivity to Mechanical Impact..... Not expected to be sensitive.
 Sensitivity to Static Discharge..... Can be sensitive.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Spills and Leaks..... Eliminate all sources of ignition. Clean up the spill area with detergent and water.
 CAUTION: Leak/spill may cause slippery surface .

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling..... Keep container tightly closed. Keep away from heat, sparks, and open flames. Avoid freezing conditions .

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
	TWA	STEL		STEL	STEL		
Ethyl Alcohol	Not established	1,000 ppm 15 minutes	1,000 ppm	Not established	Not established	1,000 ppm	
Eye/Face Protection.....	Do not get in eyes. Wear safety glasses with side-shields.						
Skin Protection.....	Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact.						
Respiratory Protection.....	Not normally required if good ventilation is maintained .						
Appropriate Engineering Controls.....	Good general ventilation should be used. Ventilation rates should be matched to conditions. Use local exhaust ventilation to maintain airborne levels below the Threshold Limit Value.						
Exposure Limits							

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State.....	Liquid.
Physical Appearance.....	Colorless.
Odour.....	Fragrance.
Odour Threshold (ppm).....	Not determined.
pH.....	6.0 - 8.0.
Vapour Pressure (psi).....	Not available .
Vapour Density (Air=1).....	> 1.
Evaporation Rate (n-Butyl Acetate = 1).....	1.8.
Initial Boiling Point/Boiling Range (°C).....	70-80°C (158-176°F).
VOC Content.....	65%.
Specific Gravity (Liquid).....	0.880-0.920.
Specific Gravity (Aerosol).....	Not applicable.
Solubility in water.....	Soluble.
Aerosol Flame Projection.....	Not applicable.
Auto Ignition Temperature (Propellant), °C...	Not applicable.
Flashback.....	No data .
Flash Point (°C), Method.....	30°C (86°F) .
Lower Flammable Limit (% Vol).....	Not available.
Upper Flammable Limit (% Vol).....	Not available.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability.....	Stable under the recommended storage and handling conditions.
Incompatible Materials.....	Strong oxidizing agents. INCOMPATIBLE WITH STRONG OXIDIZERS.
Conditions to Avoid.....	Avoid sources of heat and flame, and electrostatic charge.
Hazardous Decomposition Products.....	May form carbon dioxide and carbon monoxide, various hydrocarbons.
Possibility of Hazardous Reactions.....	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Ethyl Alcohol	20,000 ppm (10 hrs)	12.6 g/kg (Rat,Oral)
Route of Exposure.....	Eye contact, ingestion.	
Effects of Acute Exposure.....	May cause eye irritation. Ingestion may irritate the stomach. Symptoms could include dizziness, drowsiness, weakness, nausea, vomiting and other central nervous system effects.	
Chronic Effects.....	No known adverse effects .	
Carcinogenicity.....	Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.	
Reproductive Toxicity.....	No information is available, and no adverse effects are expected.	
Teratogenicity.....	No information is available, and no adverse effects are expected.	
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.	
Toxicological Data		

SECTION 12: ECOLOGICAL INFORMATION

Environmental.....	Avoid release to the environment. This product has not been tested. Based on information available on its ingredients, no adverse environmental impact is anticipated under intended use in accordance with instructions.
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SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... ETHANOL, Class 3, UN1170 .
 DOT (US-Road)..... ETHANOL, Class 3, UN1170 .
 IMDG (International- Marine)..... ETHANOL, Class 3, UN1170 .
 IATA (International- Air)..... ETHANOL, Class 3, UN1170 .

SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... WHMIS Classification. B2: Flammable liquid.
 US Regulations:..... Environmental Protection Act: Constituents of this product are included on the TSCA inventory. OSHA (29CFR 1910.1200). HMIS classification see section 01.

SECTION 16: OTHER INFORMATION

Disclaimer..... The information contained herein 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. THIS SDS IS VALID FOR THREE YEARS.

Abbreviations..... 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.

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