

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: Zytec Germ Buster Sanitizer Spray - 400g****CODE: 001346****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Zytec Germ Buster Sanitizer Spray - 400g
 Product Item Numbers..... 001346
 Manufactured by..... 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. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. May irritate eyes. May be harmful by inhalation. KEEP OUT OF REACH OF CHILDREN .

Potential Health Effects:
 Eye Contact..... May cause irritation, redness and pain.
 Skin Contact..... Can cause skin irritation. Prolonged or repeated contact may dry the skin, brittleness, cracking.
 Ingestion..... Ingestion is not a likely route of exposure.
 Inhalation..... Prolong inhalation of product may cause irritation.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Ethyl Alcohol	64-17-5	30-60
Isobutane	75-28-5	30-60

Section 04: FIRST AID MEASURES

Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
 Skin Contact..... Wash thoroughly with soap and lukewarm water. If symptoms persist, seek medical attention.
 Ingestion..... If swallowed, get medical attention immediately. Do not induce vomiting .
 Inhalation..... Move victim to fresh air. If breathing has stopped, give artificial respiration. If heartbeat absent, give external cardiac compression. Monitor breathing and pulse. If symptoms persist, call a physician.
 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..... Large spill or leak is unlikely in aerosol containers. If spill or leak occurs, ventilate enclosed spaces and disperse gas with floor-level forced-air ventilation. Exhaust vapours outdoors. Do not smoke or operate internal combustion engines. Remove flames and heating elements.

Section 07: HANDLING AND STORAGE

Handling..... Keep container tightly closed. Use with adequate ventilation. Avoid freezing conditions .

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Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Type..... Safety glasses with side-shields.
 Skin/Type..... Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact.
 Respiratory/Type..... Not normally required if good ventilation is maintained. NIOSH approved respirator recommended if vapours or mists are generated .
 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

Ingredients	TWA	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
			STEL			STEL		
Ethyl Alcohol	Not established	1,000 ppm	15 minutes	1,000 ppm	Not established		1,000 ppm	
Isobutane	800 ppm	1000 ppm		800ppm	Not available		800 ppm (TWA)	

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Aerosol.
 Physical Appearance..... Clear mist.
 Odour..... Limon fragrance .
 Odour Threshold (ppm)..... Not determined.
 pH..... Not applicable.
 Internal can pressure (psig)..... 50-60.
 Vapour Density (Air=1)..... > 1.
 Evaporation Rate (n-Butyl Acetate = 1)..... > 1 .
 Initial Boiling Point/Boiling Range (° C)..... 70-80°C (158-176°F).
 VOC Content..... > 95 wt%.
 Specific Gravity (liquid)..... 0.780-0.810.
 Specific Gravity (Aerosol)..... 0.680 - 0.720.
 Solubility in water..... Lightly miscible in water.
 Aerosol Flame Projection
 Auto Ignition Temperature (Propellant), ° C.. 460 °C/860 °F.
 Flashback..... No data .
 Flash Point (° C), Method..... -83.15°C/ -117.7°F.
 Lower Flammable Limit (% Vol)..... 1.8.
 Upper Flammable Limit (% Vol)..... 8.5.

Section 10: STABILITY AND REACTIVITY

Stability..... Stable under the recommended storage and handling conditions.
 Incompatibility..... Strong oxidizing agents.
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge. High temperatures may cause thermal decomposition.
 Hazardous Products of Decomposition..... May form carbon dioxide and carbon monoxide, various hydrocarbons.
 Hazardous Polymerization..... Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Route of Exposure..... Skin contact, Eye contact, Inhalation.
 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.
 Effects of Chronic Exposure..... No known adverse effects .
 Carcinogenicity of Material..... Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.
 Reproductive Effects..... No information is available, and no adverse effects are expected.
 Teratogenicity..... No information is available, and no adverse effects are expected.
 Mutagenicity..... No information is available, and no adverse effects are expected.
 Toxicological Data

Ingredients	LC50	LD50
Ethyl Alcohol	20,000 ppm (10 hrs)	12.6 g/kg (rat - oral)
Isobutane	658 mg/L (4hrs, rat)	Not available

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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.

Section 13: DISPOSAL CONSIDERATIONS

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

Section 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... AEROSOLS, Class 2.1, UN1950.
 DOT (US-Road)..... AEROSOLS, Class 2.1, UN1950, LTD. QTY. OR ORM-D.
 IMDG (International- Marine)..... AEROSOLS, Class 2.1, UN1950.
 IATA (International- Air)..... AEROSOLS, Class 2.1, UN1950, LTD QTY.

Section 15: REGULATORY INFORMATION

Canada..... WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol. D2B: Material causing other toxic Materials.
 USA..... Environmental Protection Act: Constituents of this product are included on the TSCA inventory. OSHA (29CFR 1910.1200) Classification: Compressed Gas. HIMS Classifications: 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; WHIMIS: Workplace Hazardous Materials Information System.

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