

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: ZGB Alcohol Free Hand Sanitizer Foam (Clear) - 550 ml****CODE: P1-001504****SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... ZGB Alcohol Free Hand Sanitizer Foam (Clear) - 550 ml
 Product Item Numbers..... P1-001504
 Manufacturer..... 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..... Hand sanitizer.

SECTION 02: HAZARDS IDENTIFICATION

Label Elements:
 Signal Word..... NOT CLASSIFIED.
 Hazard Classification:
 Physical Hazards..... Not Classified.
 Health Hazards..... Not Classified.
 Hazard Statement..... Not Classified.
 Precautionary Statements:
 Prevention..... None.
 Response..... None .
 Storage..... P410+P403:Protect from sunlight. Store in a well-ventilated place.
 Disposal..... P501:Dispose of contents/container in accordance with local, regional, national, and/or international regulations.
 Hazard(s) not otherwise classified (HNOC) Not for internal use. May cause mild skin irritation. Discontinue use if rash, redness or itching occurs. May be harmful if ingested. KEEP OUT OF REACH OF CHILDREN.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
(Actives)		
Benzalkonium chloride	8001-54-5	0.1-1
(Non-Actives)		
Cocamidopropyl betaine	61789-40-0	1-5
Phenoxyethanol	122-99-6	0.1-1

SECTION 04: FIRST AID MEASURES

Inhalation..... No specific effects have been reported. Supply fresh air if any irritations persists.
 Skin Contact..... The product is not expected to be skin irritant. However, if irritation persists, wash the contact skin area with soap and water.
 Eye Contact..... 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.
 Ingestion..... Not likely to be ingested. If occurs, do not give anything by mouth to an unconscious person. Do not induce vomiting, get medical attention. Obtain medical advice.
 Most important symptoms/effects, acute .. Direct eye contact may cause temporary eye irritation.
 and delayed
 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

Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
 Unsuitable Extinguishing Media..... None in particular.
 Specific Hazards Arising from the Chemical None known.
 Special Protective Equipment and Firefighters must use standard protective equipment including flame retardant coat, helmet
 Precautions for Firefighters with water to prevent vapor pressure build up. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.

PRODUCT: ZGB Alcohol Free Hand Sanitizer Foam (Clear) - 550 ml

CODE: P1-001504

SECTION 05: FIRE FIGHTING MEASURES

General Fire Hazards..... Non-Flammable.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures Methods and Materials for Containment .. and Cleaning Up Ensure adequate ventilation; avoid formation of dust. Wear protective equipment and keep unprotected persons away. Use respiratory protection against the effects of dust. Contain the spill. Clean up the spill area with detergent and water. Once spilled material has been collected, use rags or other suitable material to clean spill area. Rags should be properly disposed off.

Environmental Precautions..... 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..... Avoid contact with eyes. Avoid breathing vapours or spray mists of this product. Contents under pressure. Use with adequate ventilation. Keep away from heat, sparks, and open flames.

Conditions for Safe Storage including any Incompatibilities 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	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Benzalkonium chloride	Not available	Not available	Not available	Not available	Not available	Not available
Cocamidopropyl betaine	Not established	Not established	Not established	Not established	Not established	Not established
Phenoxyethanol	Not available	Not available	Not available	Not available	Not available	Not available
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved. Ground all equipment and cylinders before use.					
Individual Protection Measures:						
Eye/Face Protection.....	Prevent eye contact, wear safety glasses in the event that eye contact is possible.					
Skin Protection.....	Not normally required.					
Respiratory Protection.....	Not required on a short-term basis or if exhaust ventilation is provided. Use approved NIOSH respirators for emergencies.					
Thermal Hazards.....	None Known.					
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Spray Foam.

Physical Appearance..... Transparent. Liquid.

Odour..... Unscented.

Odour Threshold (ppm)..... Not available.

pH..... 4.0 - 5.0.

Vapour Pressure (psig)..... Not applicable .

Vapour Density (Air=1)..... >1.

Evaporation Rate (n-Butyl Acetate = 1)..... Not available.

Boiling Point (°C)..... 100.

VOC Content..... 0.

Relative Density/Specific Gravity..... 1.003.

Solubility in water..... Soluble in water.

Auto Ignition Temperature (Propellant), °C Not applicable.

Flash Point (°C), Method..... Not applicable.

Lower Explosive Limit (% vol)..... Not available.

Upper Explosive Limit (% vol)..... Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product not reactive under normal conditions of use.

Chemical Stability..... Stable at normal temperatures and pressures.

Possibility of Hazardous Reactions..... Will not occur.

Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.

Incompatible Materials..... Avoid contacting with oxidizers.

PRODUCT: ZGB Alcohol Free Hand Sanitizer Foam (Clear) - 550 ml

CODE: P1-001504

SECTION 10: STABILITY AND REACTIVITY

Hazardous Decomposition Products..... Normal products of combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Benzalkonium chloride	Not available	Not available
Cocamidopropyl betaine	No data	No data
Phenoxyethanol	No data	14,000 - 40,000 mg/kg (Oral - Rat)
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	No.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	Yes.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical,	Irritant effects.	
Chemical and Toxicological Characteristics		
Acute Toxicity.....	No known significant effects.	
Skin Corrosion/Irritation.....	May cause mild skin irritation.	
Serious Eye Damage/Eye Irritation.....	Direct eye contact may cause slight redness.	
Respiratory or Skin Sensitization.....	May cause sensitization by skin contact.	
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.	
Carcinogenicity.....	Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.	
Reproductive Toxicity.....	Based on available data, the classification criteria are not met.	
STOT - Single Exposure.....	Not classified.	
STOT - Repeated Exposure.....	Not classified.	
Aspiration Hazard.....	Based on available data, the classification criteria are not met.	
Chronic Effects.....	No long term chronic effects are known or anticipated.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Not available.
 Persistence and degradability The product itself has not been tested.
 Bioaccumulation Potential..... The product itself has not been tested.
 Mobility in Soil..... The product itself has not been tested.
 Other Adverse Effects..... None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... Not currently regulated.
 DOT (US-Road)..... Not currently regulated.
 IMDG (International- Marine)..... Not currently regulated.
 IATA (International- Air)..... Not currently regulated.

SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... WHMIS Classification. Not regulated.
 US Regulations:..... California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxics under California Proposed 65 at levels which would be subjected to the proposition. National Inventory TSCA : Cosmetic products are not regulated under TSCA.

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. .

PRODUCT: ZGB Alcohol Free Hand Sanitizer Foam (Clear) - 550 ml

CODE: P1-001504

SECTION 16: OTHER INFORMATION

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.

Prepared by Regulatory Affairs
Latest Revision SEP 25/2018