



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

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

**CODE: P1-001504**

### SECTION 01: IDENTIFICATION

Product Identity..... Zytec 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..... CANUTEC: 1-613-996-6666.  
Recommended Use..... Hand sanitizer.

### SECTION 02: HAZARD 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

CHEMICAL NAME AND SYNONYMS	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 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.  
Precautions for Firefighters  
General Fire Hazards..... Non-Flammable.

**PRODUCT: Zytec Alcohol Free Hand Sanitizer Foam (Clear) - 550 ml****CODE: P1-001504****SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment and Emergency Procedures  
Methods and Materials for Containment and Cleaning Up  
Environmental Precautions.....

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.  
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. Contents under pressure. 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	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.....  
Physical Appearance.....  
Odour.....  
Odour Threshold (ppm).....  
pH.....  
Vapour Pressure (psig).....  
Vapour Density (Air=1).....  
Evaporation Rate (n-Butyl Acetate = 1).....  
Boiling Point (°C).....  
VOC Content.....  
Relative Density/Specific Gravity.....  
Solubility in water.....  
Auto Ignition Temperature (Propellant), °C  
Flash Point (°C), Method.....  
Lower Explosive Limit (% vol).....  
Upper Explosive Limit (% vol).....

Spray Foam.  
Transparent. Liquid.  
Unscented.  
Not available.  
4.0 - 5.0.  
Not applicable.  
>1.  
Not available.  
100.  
0%.  
1.003.  
Soluble in water.  
Not applicable.  
Not applicable.  
Not available.  
Not available.

**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.

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

CODE: P1-001504

**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.
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

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

CODE: P1-001504

**SECTION 16: OTHER INFORMATION**

Latest Revision ..... 2021-09-21