

**empack**Empack Spraytech Inc.  
98 Walker Drive  
Brampton, Ontario, L6T 4H6  
Canada  
905-792-6571**PRODUCT: Emzone LCD Screen & Keyboard Cleaning Kit****CODE: 047079****SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Emzone LCD Screen & Keyboard Cleaning Kit  
 Product Item Numbers..... 047079  
 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..... Cleans computer monitors, LCD, LED and television screens.  
 Consumer Commodity..... Yes.  
 Hazard Ratings:  
 HMIS..... Health: 1 Fire: 0 Reactivity: 0.  
 NFPA Rating..... Health: 1 Fire: 0 Reactivity: 0.

**SECTION 02: HAZARDS IDENTIFICATION**

Emergency Overview..... No significant hazard. KEEP OUT OF REACH OF CHILDREN .  
 Potential Health Effects:  
 Eye Contact..... This product causes mild eye irritation and redness.  
 Skin Contact ..... Possible mild irritation at point of contact.  
 Ingestion..... Ingestion may cause headache, nausea, vomiting and weakness.  
 Inhalation..... Inhalation of solvents or dust may cause irritation.

**SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS #	WT. %
Propylene glycol	57-55-6	0.1-1.0
Antistatic (and) UV agents	Proprietary	0.1-1.0

**SECTION 04: FIRST AID MEASURES**

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.  
 Skin Contact..... Wash thoroughly with soap and lukewarm water.  
 Ingestion..... Do not induce vomiting, get medical attention.  
 Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance. If breathing is difficult, give oxygen and get medical attention. Do not give adrenaline, epinephrine or similar drugs following exposure to this product.  
 Additional Information..... Note to the doctor; treat symptomatically.

**SECTION 05: FIRE FIGHTING MEASURES**

Flammability Class..... Non-Flammable.  
 Extinguishing Media..... Not flammable. Use regular extinguishing media whenever needed.  
 Sensitivity to Mechanical Impact..... Not expected to be sensitive.  
 Sensitivity to Static Discharge..... Not expected to be sensitive.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Spills and Leaks..... Contain the spill. Clean up the spill area with detergent and water.

**SECTION 07: HANDLING AND STORAGE**

Precautions for Safe Handling..... Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Use with adequate ventilation.

## PRODUCT: Emzone LCD Screen &amp; Keyboard Cleaning Kit

CODE: 047079

## SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Propylene glycol	Not available	Not available	Not available	Not available	Not available	Not available
Antistatic (and) UV agents	Not available	Not available	Not available	Not available	Not available	Not available
Eye/Face Protection.....	Do not get in eyes. Wear safety glasses with side-shields.					
Skin Protection.....	Not normally required. Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact.					
Respiratory Protection.....	Use dust and mist respirator.					
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.					
Exposure Limits						

## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State.....	Liquid.
Physical Appearance.....	Colorless liquid .
Odour.....	Minor odour.
Odour Threshold (ppm).....	Not determined.
pH.....	6.0 - 8.0.
Vapour Pressure (psig).....	Not applicable .
Vapour Density (Air=1).....	> 1.
Evaporation Rate (n-Butyl Acetate = 1).....	< 1 (n-Butyl Acetate = 1).
Boiling Point liquid (°C).....	100C.
VOC Content.....	Not available.
Specific Gravity .....	0.980-1.020.
Specific Gravity (Aerosol).....	Not applicable.
Solubility in water.....	Soluble in water.
Aerosol Flame Projection.....	Not applicable.
Auto Ignition Temperature (Propellant), °C...	Not applicable.
Flashback.....	No data .
Flash Point (°C), Method.....	Not applicable.
Lower Flammable Limit (% Vol).....	Not applicable.
Upper Flammable Limit (% Vol).....	Not applicable.

## SECTION 10: STABILITY AND REACTIVITY

Chemical Stability.....	Stable at normal temperatures and pressures.
Incompatible Materials.....	Strong oxidizing agents. Strong acids.
Conditions to Avoid.....	Avoid sources of heat and flame, and electrostatic charge.
Hazardous Decomposition Products.....	Under normal conditions of storage and use, hazardous decomposition products should not be produced .
Possibility of Hazardous Reactions.....	No polymerization expected at normal use conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Propylene glycol	Not available	20,000 mg/kg (oral, rat)
Antistatic (and) UV agents	Not available	Not available
Route of Exposure.....	Eye contact, Skin contact, Skin absorption, Inhalation, and Ingestion.	
Effects of Acute Exposure.....	May cause eye irritation. May be irritating in case of skin contact.	
Chronic Effects.....	None known.	
Carcinogenicity.....	None known when used below acute toxicity limit.	
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.
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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)..... 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. CPR (Canadian Controlled Product Regulations): All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the CPR and this SDS contains all information required by CPR. IDL (Canadian Ingredient Disclosure List): Component(s) of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List (section 03).  
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.  
Prepared by ..... Regulatory Affairs  
Latest Revision ..... FEB 28/2017