

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: Emzone Advanced Formula Screen Cleaner - 237 mL****CODE: 047041****SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Emzone Advanced Formula Screen Cleaner - 237 mL
 Product Item Numbers..... 047041
 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..... May cause irritation, redness and pain.
 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
DMDM hydantoin	6440-58-0	0.1-1
Triethanolamine	102-71-6	0.1-1.0
Surfactants	Mix.	1-5
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.

PRODUCT: Emzone Advanced Formula Screen Cleaner - 237 mL

CODE: 047041

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling..... Use with adequate ventilation.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
	TWA	STEL		STEL	STEL		
Propylene glycol	Not available	Not available	Not available	Not available	Not available	Not available	Not available
DMDM hydantoin	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Triethanolamine	5 mg/m3 5 mg/m3 (TWA)	Not established	Not established	Not established	Not established	Not established	Not established
Surfactants	Not available	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	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.....	Clear 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)
DMDM hydantoin	3,300 mg/kg (rat - inhalation)	Not available
Triethanolamine	Not available	8,000 mg/kg Rat oral; > 20,000 mg/kg Rabbit dermal
Surfactants	Not available	Not available
Antistatic (and) UV agents	Not available	Not available
Route of Exposure.....	Eye contact, Skin contact, Skin absorption, Inhalation, and Ingestion.	

PRODUCT: Emzone Advanced Formula Screen Cleaner - 237 mL

CODE: 047041

SECTION 11: TOXICOLOGICAL INFORMATION

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..... Liquid release is only expected to cause localized, non-persistent environmental damage, such as freezing.

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:..... 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