

Material Safety Data Sheet

1. Chemical Product and Company Information

Product Name: emzone LCD Screen Cleaner Spray (pump)

Product Item Numbers: 47069, 47071, 47073, 47077, 47079

Product Manufacturer: Empack Spraytech Inc.
Address: 98 Walker Drive
Brampton, Ontario, Canada L6T 4H6
Telephone: (905) 792 – 6571

Emergency Telephone: Empack: (905) 792-6571 (8:00 am – 4:00 pm ET)
CANUTEC: (613) 996-6666 collect (24 Hours)

Product Use: Cleans computer monitors, LCD and television screens.

Prepared By: Empack Regulatory Department

Preparation Date: September 28, 2011

2. Composition / Information on Ingredients

Hazardous Ingredients	CAS Number	Weight %	TLV- ACGIH (ppm)
Propylene Glycol Ethers	34590-94-8	1- 5	Not Available
Alcohol Ethoxylates	68131-39-5	0.1- 1	Not Available

3. Hazards Identification

Emergency overview: Do not swallow. Do not contact with eyes.

4. First Aid Measures

Inhalation: No symptoms.

Skin Contact: Possible mild irritation at point of contact. Wash immediately with soap and water.

Eye Contact: Possible mild irritation and redness. Flush eyes with running water for 15 minutes.

Ingestion: Possible irritation of throat. Rinse mouth with water. If conscious, give 500 mL of water to drink immediately.

5. Fire Fighting Measures

Flash Point: N/Ap

Autoignition Temperature: N/Ap

Flammability Limits in Air (%): N/Ap

Hazardous Combustion Products: Not available

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

6. Accidental Release Measure

Spill and Leak: Wash area with significant quantity of water. Refer to section 8 of MSDS for personal protection information.

7. Handling And Storage

No special storage or handling required.

8. Exposure Controls/Personal Protection

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.

Respiratory Protection: Not required on a short-term basis or if exhaust ventilation is provided.

Eye Protection: Use chemical safety glasses.

Skin Protection: Use gloves & protective clothing.

9. Physical And Chemical Properties

Physical State:	Liquid
Appearance:	Colourless
Odour:	Minor Odour
Odour Threshold:	Not Available
Boiling Point:	100°C (212°F)
% Weight Volatile:	100
Specific Gravity (Water = 1):	1
pH:	7- 8.5
Solubility in Water:	Soluble

10. Stability And Reactivity

Chemical Stability: Stable at normal temperature and pressures.

Incompatible Materials: Strong oxidising agents and strong acids.

Hazardous Products of Decomposition: In combustion emits toxic fumes.

Hazardous Polymerization: No polymerization will occur.

11. Toxicological Information

Carcinogenicity: Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.

Reproductivity: No adverse reproductive effects are anticipated.

Teratogenicity: No adverse teratogenic effects are anticipated.

Mutagenicity: No adverse mutagenic effects are anticipated.

Acute Toxicity:

Alcohol Ethoxylates:
LC50 Rat Inhalation: 2,000 mg/kg

Propylene Glycol Ethers:
LD50 Rat Oral: <5,400 mg/kg; LD50 Rat Dermal < 9,500 mg/kg

12. Ecological Information

Readily absorbed into soil. Biodegradable. Negligible ecotoxicity.

13. Disposal Considerations

Dispose of in accordance with local, provincial, state and federal regulations.

14. Transport Information

Ground: **ADR/ RID**
UN no: -
Shipping name: "NOT SUBJECT TO ADR"

Sea: **IMDG/ IMO**
UN no: -

Air: **IATA/ ICAO**
UN no: -

15. Regulatory Information

Safety phrases: S25: Avoid contact with eyes.
Risk phrases: R36/38: Irritating to eyes and skin.

16. Other Information**Abbreviations:**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHIMIS	Workplace Hazardous Materials Information System

Disclaimer:

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. **This MSDS is valid for three years.**

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