

# Material Safety Data Sheet

**1. Chemical Product and Company Information**



**Product Name:** emzone 12A A/C Dryer

**Product Item Numbers:** # 45854 – 4 oz / 114 g

**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)

**WHMIS Classification:** A, B5, D2B  
**TDG Classification:** AEROSOLS, Class 2.1(6.1), UN1950  
**Under the Clear Language Regulations:** *refer to Section 1.17 for limited Quantity Shipping Information, if shipping under this exemption.*

**Product Use:** Absorb moisture in refrigeration systems.  
**Prepared By:** Empack Regulatory Department  
**Preparation Date:** March 2008  
**Last revision:** March 2011

**2. Composition / Information on Ingredients**

Hazardous Ingredients	CAS Number	Weight %	TLV (ppm)
Alkanes	75-28-5 , 74-98-6	60-100	800
Ethanol	64-17-5	10-30	1000
Proprietary	trade secret	<15	

**3. Hazards Identification**

**Emergency overview:** No significant hazard.

**4. First Aid Measures**

**Inhalation:** May cause irritation of the respiratory trace.

**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:** 22 - 70 °C (72- 158 °F Closed Cup)

**Autoignition Temperature:** 891°C

**Flammability Limits in Air (%):** LFL = 1.95 ; UFL = 9.1

**Hazardous Combustion Products:** Carbon dioxide, silicon dioxide, and Formaldehyde.

**Extinguishing media:** Use Carbon dioxide, dry chemical, foam or water spray.

**6. Accidental Release Measure**

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

**7. Handling And Storage**

Keep away from heat, sparks, and open flames. Store in a cool, dry and well-ventilated place.

**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**

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Colourless
<b>Odour:</b>	Amine Odour
<b>Odour Threshold:</b>	Not Available
<b>Boiling Point liq.:</b>	124°C
<b>% Weight Volatile:</b>	N/Av
<b>Specific Gravity (Water = 1):</b>	0.99
<b>pH:</b>	N/Av.
<b>Solubility in Water:</b>	Not soluble

**10. Stability And Reactivity**

**Chemical Stability:** Stable at normal temperature & pressures.

**Incompatible Materials:** Strong oxidising agents and strong acids.

**Hazardous Products of Decomposition:** Thermal decomposition & burning may produce carbon dioxide.

Hazardous Polymerization: N/Av.

**11. Toxicological Information**

Complete information is not yet available.

**Carcinogenicity:** N/Av      **Reproductivity:** N/Av.**Teratogenicity:** N/Av.      **Mutagenicity:** N/Av.**12. Ecological Information**

Complete information is not yet available.

**13. Disposal Considerations**

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

**14. Transport Information****Ground:** Consumer Commodity, ORM-D.**Air:** Cannot be shipped by air.**Sea:** Limited quantity, AEROSOLS, UN# 1950, Class 2.1.**15. Regulatory Information****CANADA**

CEPA - NSNR: All constituents of this product are included on the DSL.

CEPA - NPRI: Not included.

WHMIS Classification: A: Compressed Gas, B-1: Flammable Gas.

**USA**

Environmental Protection Act: Constituents of this product are included on the TSCA inventory.

OSHA (29CFR 1910.1200) Classification: Compressed Gas, Flammable Gas.

HMIS: 1 Health, 4 Fire, 1 Reactivity.

**Safety phrases:** S 23.5 Do not breathe vapour/spray. S 16 Keep away from sources of ignition -  
No smoking.**Risk phrases:** R12: Extremely flammable. R 36/37 Irritating to eyes and respiratory system.**16. Other Information****Abbreviations:**

ACGIH      American Conference of Governmental Industrial Hygienists

CAS      Chemical Abstract Service

PEL      Permissible Exposure Limit

TLV      Threshold Limit Value

WHMIS      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.**



## **12A A/C Dryer**

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