

Material Safety Data Sheet

1. Chemical Product and Company Information



Product Name: emzone 12A A/C All-In-One

Product Item Numbers: # 45857 – 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: A/C Multi purpose product containing; UV Dye, Oil charge, system conditioner.

Prepared By: Empack Regulatory Department
Preparation Date: January 2007
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
Conditioner	Trade secret	10-30	50
High temperature lubricant	Trade secret	10-30	N/Av.
UV dye	Trade secret	7-13	N/Av.

3. Hazards Identification

Emergency overview: Suspected to have cacogenic and reproductive effect when directly exposed to humans.

4. First Aid Measures

Eye Contact: In case of eye contact, immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY.

Skin Contact: For skin, wash thoroughly with soap and water. If irritation develops, get medical attention.

Inhalation: If affected by inhalation of vapour or spray mist, move to fresh air. Seek medical attention if necessary.

Ingestion: If swallowed, do not induce vomiting. Rinse mouth thoroughly with water. Drink 1-2 glasses (240 ml to 300 ml) of water to dilute the material. Obtain medical attention 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 MSDS 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

Physical State:	Liquid
Appearance:	Luminous Yellow
Odour:	Amine odour
Odour Threshold:	Not Available
Boiling Point liq.:	125°C
Internal Pressure @ 21°C:	70 psi
Vapor Density:	Not determined.
% Weight Volatile:	98-100
Specific Gravity (Water = 1):	0.72
pH:	N/Av.
Solubility in Water:	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 monoxide and carbon dioxide.

Hazardous Polymerization: N/Av.

10. Toxicological Information

Complete information is not yet available.

Carcinogenicity: Suspected to have Carcogenic effect.

Reproductivity: Suspected to have reproductive effect.

Teratogenicity: N/Av.

Mutagenicity: N/Av.

11. Ecological Information

Complete information is not yet available.

12. Disposal Considerations

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

13. Transport Information

Ground: Consumer Commodity, ORM-D.

Air: Cannot be shipped by air.

Sea: Limited quantity, AEROSOLS, UN# 1950, Class 2.1.

14. 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.

15. 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.**

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