Red Stallion Part# 41-285 Page 1



Empack Spraytech Inc. 98 Walker Drive Brampton, Ontario, L6T 4H6 Canada 905-792-6571

PRODUCT: Emzone 134A Refrigerant Cylinders - 30lbs

CODE: 045929

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identity..... Emzone 134A Refrigerant Cylinders - 30lbs

Product Item Numbers..... 045929

Manufactured by..... 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..... Environmental friendly Refrigerant.

Consumer Commodity..... Yes.

Hazard Ratings:

Section 02: HAZARDS IDENTIFICATION

Emergency Overview..... Container is under pressure. Container may explode if heated. Do not puncture. Do not burn. Contact with rapidly expanding gases can cause frostbite. KEEP OUT OF REACH

OF CHILDREN .

Potential Health Effects:

Skin Contact..... Contact with rapidly expanding gas may cause burns and frostbite. Skin may be flushed; as frostbite develops. Blisters may develop.

Direct contact with rapidly expanding gas or frost particles may produce severe and Eye Contact.....

possibly permanent eye damage. Ingestion is not a likely route of exposure.

Inhalation..... Acts as a simple asphyxiant.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients CAS# Wt. %

1,1,1,2 Tetrafluoroethane 811-97-2 60-100

Section 04: FIRST AID MEASURES

Eye Contact..... If eye tissue is frozen, seek medical attention immediately. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation, pain, swelling, lacrimation, or photophobia persist, get medical attention as soon

as possible.

Skin Contact.....

If frostbite has occurred, seek medical attention immediately; do NOT rub the affected areas or flush them with water. In order to prevent further tissue damage, do NOT attempt to remove frozen clothing from frostbitten areas, If frostbite has NOT occurred, immediately

and thoroughly wash contaminated skin with soap and water. As this product is a gas, refer to the inhalation section. Ingestion.....

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.

Additional Information..... Note to the doctor; treat symptomatically.

Section 05: FIRE FIGHTING MEASURES

Flammability Class..... Non-Flammable.

Extinguishing Media..... Use media suitable to the surrounding fire such as foam, dry chemical or water fog.

Sensitivity to Mechanical Impact..... Not expected to be sensitive.

Sensitivity to Static Discharge..... Not expected to be sensitive.

Section 06: ACCIDENTAL RELEASE MEASURES

Remove flames and heating elements. Asphyxiant-lack of oxygen can kill. Immediately evacuate all personnel from danger area. Use self-contained breathing apparatus and protective clothing. Shut off leak if without risk. Ventilate area of leak or move cylinder to a Spills and Leaks.....

well-ventilated area.

00000241		SAFETY DATA SHEET			Red Stallion Part# 41-285 Page 2		
PRODUCT: Emzon	e 134A Refriger	ant Cylinders - 30lbs			CODE: 045929		
Section 07: HANDLING AND STORAGE							
Handling		Use with adequate ventilation. Cylinders should be st in place, and firmly secured to prevent falling. Do not (50°C).			stored upright, with valve protection cap ot store in temperatures above 120°F		
Se	ction 08: EXPO	SURE CONTROLS	PERSONAL	PROTECT	ION		
Eye/Type Skin/Type Respiratory/Type Engineering Controls Exposure Limits		uses that allow rapid expansion may cause a frostbite hazard. Wear appropriate personal protective clothing to prevent the skin from becoming frozen. Use approved NIOSH respirators for emergencies					
Ingredients	TWA ACG	SIH TLV STEL	PEL	OSHA PEL STEL		REL	NIOSH
1,1,1,2 Tetrafluoroethane	Not available	Not available	Not available	Not ava	ilable	Not availa	able
Section 09: PHYSICAL AND CHEMICAL PROPERTIES							
Physical State	e (Propellant), ° C	Colorless gas. Gasoline like or natural Not available. Not applicable. 80- 95 . 3.5. Not available26.4 °C (-14.8 °F). None . 0.980-1.020. Not available. Not soluble in water. Not applicable. Not applicable. No data . None. Not applicable. Not applicable. Not applicable. Not applicable.					
Section 10: STABILITY AND REACTIVITY							
Stability	ecomposition	Do not mix with alkali or alkaline earth metals (Al, Zn, Be, Cu). Strong Oxidizers. Avoid sources of heat and flame, and electrostatic charge. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous polymerization will not occur.					
Section 11: TOXICOLOGICAL INFORMATION							
Effects of Chronic Exposure		Skin contact, Eye contact, Inhalation. May cause frostbite . Contact with skin and eyes may cause mild to moderate irritation and frostbite. Symptoms may include redness, pain, numbness, prickling and itching. Contain material that may cause target organ damage, based on animal data . Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.					

Route of Exposure Effects of Acute Exposure	May cause frostbite . Contact with skin and	May cause frostbite. Contact with skin and eyes may cause mild to moderate irritation and			
Teratogenicity	trostbite. Symptoms may include redness, Contain material that may cause target or Not classified as carcinogenic by ACGIH, No information is available, and no advers No information is available. and no advers	Contain material that may cause target organ damage, based on animal data. Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP. No information is available, and no adverse effects are expected.			
Ingredients	LC50	LD50			

1,1,1,2 Tetrafluoroethane

>500000 ppm (mouse - 4h)

Not available

Red Stallion Part# 41-285 Page 3

CODE: 045929

PRODUCT: Emzone 134A Refrigerant Cylinders - 30lbs

Section 12: ECOLOGICAL INFORMATION

Environmental.....

Complete information is not yet available. This product has not been tested. Based on information available on its ingredients, no adverse environmental impact is anticipated under intended use in accordance with instructions.

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods...... Dispose in accordance with local, provincial and federal regulations.

Section 14: TRANSPORT INFORMATION

Section 15: REGULATORY INFORMATION

Canada..... USA..... WHMIS Classification. A: Compressed gas. Environmental Protection Act: Constituents of this product are included on the TSCA inventory. OSHA (29CFR 1910.1200) Classification: Compressed Gas. HIMS Classifications: see section 01.

Section 16: OTHER INFORMATION

The information contained herin 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

Abbreviations.....

CPR. THIS SDS IS VALID FOR THREE YEARS.

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; WHIMIS: Workplace Hazardous Materials Information System.

Prepared by Regulatory Affairs

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