

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

PRODUCT: Emzone Non-Chlor Brake & Parts Cleaner/Threaded- 18.9L

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identity..... Emzone Non-Chlor Brake & Parts Cleaner/Threaded- 18.9L

Product Item Numbers..... 044141

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..... Cleaning solvent.

Consumer Commodity.....

Hazard Ratings:

HMIS..... NFPA Rating.....

Health: 1 Fire: 3 Reactivity: 0 PPE: G. Health: 1 Fire: 3 Reactivity: 0 Special: - .

Section 02: HAZARDS IDENTIFICATION

Emergency Overview..... Highly flammable liquid and vapour. May be fatal if swallowed and enters airways

Aspiration hazard. Causes skin irritation. May cause drowsiness or dizziness. KEEP OUT

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OF REACH OF CHILDREN.

Potential Health Effects:

Eye Contact.....

This product causes irritation, redness and pain.

Skin Contact..... Can cause skin irritation. Prolonged or repeated contact may dry the skin.

May be fatal if swallowed. Ingestion.....

Inhalation may cause respiratory tract irritation. Can cause Central Nervous System (CNS) Inhalation.....

depression; symptoms include nausea, headache, dizziness, unconsciousness.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

CAS# Hazardous Ingredients Wt. %

142-82-5 60-100 Heptane

Section 04: FIRST AID MEASURES

Check for and remove contact lenses. Immediately flush eyes with water for a minimum of Eye Contact.....

15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms Skin Contact.....

persist, seek medical attention. Call a physician or Poison Control Centre immediately. Keep respiratory tract clear. Never Ingestion.....

give anything by mouth to an unconscious person.

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.

Note to the doctor; treat symptomatically. Contains material that is an aspiration hazard. Additional Information.....

Potential danger from aspiration must be weighed against possible oral toxicity when

deciding whether to induce vomiting.

Section 05: FIRE FIGHTING MEASURES

Flammability Class..... Extremely Flammable.

Small Fire: Use Dry Chemical. Large Fire: Use water spray or fog. Extinguishing Media.....

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.....

Inhalation.....

Put on appropriate personal protective equipment (see Section 08). Eliminate all sources of ignition and ventilate area. Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13). CAUTION: Leak/spill may cause slippery surface.

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Section 07: HANDLING AND STORAGE

ventilation. For personal protection see Section 08. Ground all equipment containing the material. Wash skin thoroughly after handling. Keep away from heat and sparks. Keep away from sources of ignition. Do not smoke while handling the product. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked-up.

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for a ceiling conc.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Type...... Safety glasses with side-shields.

for mists and vapours.

conditions. Use local exhaust ventilation to maintain airborne levels below the Threshold

Limit Value.

Liquid

Exposure Limits

Physical State

Ingredients	TWA	IH TLV STEL	OSH <i>A</i> PEL	A PEL STEL	NIOSH REL
Heptane	400 ppm	500 ppm	500 ppm	Not available	85 ppm for n-Heptane, 440 ppm

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Triyotcai Otate	Liquiu.
Physical Appearance	Clear liquid.
Odour	Hydrocarbons.
Odour Threshold (ppm)	Not available.
pH	Not applicable.
Vapour Pressure (psig)	Not available.
Vapour Density (Air=1)	Not available.
	> 1.
Evaporation Rate (n-Butyl Acetate = 1)	
Initial Boiling Point/Boiling Range (°C)	98 °C (209°F).
VOC Content	95-100 %wt.
Specific Gravity (liquid)	0.660-0.690.
Specific Gravity (Aerosol)	Not applicable.
Solubility in water	Negligible.
Aerosol Flame Projection	Not applicable.
Auto Ignition Temperature (°C)	
Flashback	Yes.
Flash Point (°C), Method	
Lower Flammable Limit (% Vol)	
Upper Flammable Limit (% Vol)	6.7.

Section 10: STABILITY AND REACTIVITY

Stability...... Stable at normal temperatures and pressures.

Incompatibility...... Strong oxidizing agents.

Conditions to Avoid....... Avoid sources of heat and flame, and electrostatic charge.

Hazardous Products of Decomposition....... May form carbon dioxide and carbon monoxide, various hydrocarbons.

Hazardous Polymerization...... Will not occur.

Mutagenicity.....

Toxicological Data

Section 11: TOXICOLOGICAL INFORMATION

Eve contact, Skin contact, Skin absorption, Inhalation, and Ingestion. Route of Exposure..... High vapor/aerosol concentrations may be irritating to eyes. Prolonged or repeated contact Effects of Acute Exposure..... with skin may cause redness, itching, irritation and eczema/chapping. In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Ingestion may result in vomiting. Organic solvents may be absorbed into the body by inhalation and ingestion and cause Effects of Chronic Exposure..... permanent damage to the nervous system, including the brain. Prolong contact may defat and dry the skin, leading to discomfort and dermatitis. Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP. No information is available, and no adverse effects are expected. Carcinogenicity of Material..... Reproductive Éffects..... Teratogenicity..... No information is available, and no adverse effects are expected.

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PRODUCT: Emzone Non-Ch	lor Brake & Parts Cleaner/Thre	aded- 18.9L Co	ODE: 044141	
Sec	tion 11: TOXICOLOGICAL INFO	RMATION		
Ingredients	LC50	LD50		
Heptane	103,000 mg/L (4hrs - rat)	>15,000 mg/kg (rat - or - dermal)	ral); >2,000 mg/kg (rabbit	
Se	ection 12: ECOLOGICAL INFOR	RMATION		
Environmental	environment. This material an Avoid release to the environm	Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Heptane: Toxicity to fish: LC50 1.284 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 0.1 mg/L, 96 hrs; Toxicity to algae: EL50 4.338 mg/L, 72 hrs.		
Se	ction 13: DISPOSAL CONSIDER	RATIONS		
Appropriate Disposal Methods	Dispose in accordance with lo	cal, provincial and federal regulation	าร.	
Se	ection 14: TRANSPORT INFOR	MATION		
DOT (US-Road)IMDG (International- Marine)).).		
Se	ection 15: REGULATORY INFO	RMATION		
CanadaUSA	WHMIS Classification. B2: Fla Environmental Protection Act: inventory. OSHA (29CFR 191	Constituents of this product are inc	ng other toxic Materials. luded on the TSCA	
	Section 16: OTHER INFORMA	TION		
Disclaimer	expressed or implied regardin use thereof. Empack assumes vendees or users or third parti all risks with the use of the mathe hazard criteria of the CPR CPR. THIS SDS IS VALID FOW ACGIH: American Conference Abstract Service; NIOSH: Nati Occupational Safety and Heal 1976-USA; PEL: Permissible Threshold Limit Value; VOC: Note of the Volume of the National Safety and Heal 1976-USA; PEL: Permissible of Threshold Limit Value; VOC: Note of the National Safety and Heal 1976-USA; PEL: Permissible of Threshold Limit Value; VOC: Note of the National Safety and Heal 1976-USA; PEL: Permissible of Threshold Limit Value; VOC: Note of the National Safety and Page 1979-1979-1979-1979-1979-1979-1979-1979	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 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		
Prepared by	Materials Information System. Regulatory Affairs			

Regulatory Affairs Sep30/13

Oct17/14

Prepared by Preparation Date.....

Last Revision Date