# SAFETY DATA SHEET

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

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#### PRODUCT: Emzone Battery Cleaner & Acid Detector - 215 g

spraytech inc.

## CODE: P6-045033

#### **SECTION 01: IDENTIFICATION**

Product Item Numbers Product Identity Manufacturer	P6-045033 Emzone Battery Cleaner & Acid Detector - 215 g Empack Spraytech Inc. 98 Walker Drive Brampton Ontario Canada L6T 4H6 905-792-6571
24 hour emergency telephone number Recommended Use Chemical Family	

## **SECTION 02: HAZARD IDENTIFICATION**



Label Elements: Signal Word Hazard Classification:	WARNING.
Physical Hazards Health Hazards	Skin Irritation - Category 3. Eye Damage/Irritation - Category 2A. Carcinogenicity -
Environmental Hazards Hazard Statement	H229:Pressurised container: May burst if heated (3). H280:Contains gas under pressure;
Precautionary Statements:	may explode if heated (L). H316:Causes mild skin irritation. H319:Causes serious eye irritation. H351:Suspected of causing cancer.
Prevention	P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251:Do not pierce or burn, even after use. P264+P265: Wash hands
Response	thoroughly after handling. Do not touch eyes. P203:Obtain, read and follow all safety instructions before use. P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P332+P317:If skin irritation occurs: Get medical help. P305+P351+P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P317:If eye irritation persists: Get medical help. P318: IF exposed or concerned, get medical advice.
Storage	P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. P403:Store in a well ventilated place . P405: Store locked up.
Disposal	P501:Dispose of contents/container in accordance with local, regional, national, and/or international regulations.
Hazard(s) not otherwise classified (HNOC)	

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS			
CHEMICAL NAME AND SYNONYMS	CAS #	WT. %	
Isobutane	75-28-5	7-13	
Triethanolamine	102-71-6	1-5	
2-Butoxyethanol	111-76-2	0.1-1	
DIETHANOLAMINE	111-42-2	0.1-1	

# **SECTION 04: FIRST-AID MEASURES**

Inhalation	•
Skin Contact	•

If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.

Wash thoroughly with soap and lukewarm water. If symptoms persist, seek medical . . . . . . attention.



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# SECTION 04: FIRST-AID MEASURES

Eye Contact	Check for and remove contact lenses. Rinse with water. If symptoms persist, seek medical attention.
Ingestion Most important symptoms/effects, acute	If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting. Provide general supportive measures and treat symptomatically.
and delayed Indication of immediate medical attention and special treatment needed	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## **SECTION 05: FIRE-FIGHTING MEASURES**

	Dry chemical powder. Carbon dioxide. Foam, water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire. al Contents under pressure. Pressurized container may explode when exposed to heat or
	flame. In case of fire, the following can be released: Carbon Oxides, Hydrocarbons, Aldehydes, Ketones.
Special Protective Equipment and	
General Fire Hazards	

# SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate
Methods and Materials for Containment and Cleaning Up	earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking,
Environmental Precautions	flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

# **SECTION 07: HANDLING AND STORAGE**

Precautions for Safe Handling	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid contact with eyes, skin, and clothing. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.
Conditions for Safe Storage including any Incompatibilities	

# **SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	CGIH TLV STEL	OS	HA PEL STEL	NIOSH REL
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available
Triethanolamine	5 mg/m3	Not established	Not established	Not established	Not established
2-Butoxyethanol DIETHANOLAMINE Appropriate Engineering	20 ppm 0.46 PPM TWA A Controls	Local exhaust ventilation		Not available the point of use below	Not available the Threshold Limit
Eye/Face Protection Skin Protection Respiratory Protection	Individual Protection Measures:Value if unprotected personnel are involutionEye/Face ProtectionDo not get in eyes. Wear safety glassesSkin ProtectionChemical resistant gloves are recommentRespiratory ProtectionUse dust and mist respirator.Thermal HazardsNone Known.		safety glasses with s are recommended.	side-shields. Avoid contact with the	skin. Wear

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# SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

General Hygiene Considerations.....

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.

#### SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Form	Odorless. N/A. 1.005-1.035. 0.980-1.020. 55-85. >1. N/A. 98 °C ( 209°F). Estimated. N/A. -82.8. Closed cup. (For propellant). Slow. Completely. No data. 460°C (860°F). (Propellant). 1.8. (Propellant).
Upper Flammable Limit (% Vol)	8.8. (Propellant).

#### **SECTION 10: STABILITY AND REACTIVITY**

Conditions to Avoid Incompatible Materials Hazardous Decomposition Products	Reactivity Chemical Stability Possibility of Hazardous Reactio	ns

Product not reactive under normal conditions of use. Material is stable under normal conditions. Will not occur. Contact with incompatible substances. Strong oxidizing agents. Carbon Oxides.

# SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS		LC50	LD50
Isobutane		658 mg/L (Rat - 4 hrs)	Not available
Triethanolamine		Not available	6,400 mg/kg (Oral - Rat); >2,000 mg/kg (Dermal - Rabbit)
2-Butoxyethanol		450 ppm (Rat - 4 hrs)	470 mg/kg (Oral - Rat)
DIETHANOLAMINE		NOT AVAILABLE	NOT AVALIABLE
Information on Likely Routes of Exposure: Routes of entry - Inhalation Routes of entry - Skin & Eye Routes of entry - Ingestion Routes of entry - Skin Absorption Symptoms Related to the Physical, Chemical and Toxicological Characteristics Acute Toxicity Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation Germ Cell Mutagenicity Carcinogenicity Reproductive Toxicity STOT - Single Exposure STOT - Repeated Exposure Aspiration Hazard Chronic Effects	Yes. No. Irritant effects. Symptom vision. Defatting of the s tiredness, nausea and v No known significant eff Causes skin irritation. Direct eye contact may of frostbite, damage to the Not classified. No information is availab This product contains the This product is not expen- Not classified. Not classified.	kin. Symptoms of overexposure ma omiting. ects. cause slight redness. Spraying direc cornea resulting in permanent eye i ole, and no adverse effects are expe e following:. Diethanolamine. cted to cause reproductive or develo , the classification criteria are not m	y be headache, dizziness, otly into the eyes may cause njury. ected. opmental effects.

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# SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.
Persistence and degradability Bioaccumulation Potential Mobility in Soil Other Adverse Effects	The product itself has not been tested. The product itself has not been tested.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

Appropriate Disposal Methods.....

. The dispensed liquid product is not a hazardous waste. Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

# **SECTION 14: TRANSPORT INFORMATION**

DOT (US-Road) IMDG (International- Marine)	UN1950, AEROSOLS, Class 2.2, Ltd. qty.
	UN1950, AEROSOLS, Class 2.2, Ltd. qty.

#### **SECTION 15: REGULATORY INFORMATION**

Canada Regulations: Canadian Environmental Protection Act (CEPA)	WHMIS Classification. A: Compressed gas. D2B: Material causing other toxic Materials. All ingredients listed appear on the Domestic Substances List (DSL).
ÙS Regulations	inventory.
OSHA	This product is considered hazardous under the Federal OSHA hazard communication standard.
California Proposition 65	This product does not contain any chemical(s) known to the state of California to cause cancer or reproductivity toxicity.

## **SECTION 16: OTHER INFORMATION**

Disclaimer	The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors 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.
Abbreviations	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; WHMIS: Workplace Hazardous
Prepared by Latest Revision	Materials Information System STOT: Specific Target Organ Toxicity. Regulatory Affairs 2023-03-31

