



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

**PRODUCT: Emzone Odor Stop - 156g**

**CODE: 044210**

### Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identity..... Emzone Odor Stop - 156g  
Product Item Numbers..... 044210  
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..... Odour neutralizer.  
Consumer Commodity..... Yes.  
Hazard Ratings:  
HMIS..... Health: 1 Fire: 4 Reactivity: 0.  
NFPA Rating..... Health: 1 Fire: 4 Reactivity: 0.

### Section 02: HAZARDS IDENTIFICATION

Emergency Overview..... Flammable. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Do not get in eyes or clothing. May cause skin and eye irritation. May be harmful by inhalation. KEEP OUT OF REACH OF CHILDREN .  
Potential Health Effects:  
Eye Contact..... May cause irritation, redness and pain.  
Skin Contact..... Can cause skin irritation. Prolonged or repeated contact may dry the skin, brittleness, cracking.  
Ingestion..... Ingestion is not a likely route of exposure.  
Inhalation..... Prolong inhalation of product may cause irritation.

### Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Ethyl Alcohol	64-17-5	60-100
Propane	74-98-6	5-10
Isobutane	75-28-5	10-30

### Section 04: FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.  
Skin Contact..... Wash thoroughly with soap and lukewarm water.  
Ingestion..... If swallowed, get medical attention immediately.  
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..... Flammable.  
Extinguishing Media..... Carbon dioxide, dry chemicals, foam or water fog.  
Sensitivity to Mechanical Impact..... Not expected to be sensitive.  
Sensitivity to Static Discharge..... Can be sensitive.

### Section 06: ACCIDENTAL RELEASE MEASURES

Spills and Leaks..... Large spill or leak is unlikely in aerosol containers. If spill or leak occurs, ventilate enclosed spaces and disperse gas with floor-level forced-air ventilation. Exhaust vapours outdoors. Do not smoke or operate internal combustion engines. Remove flames and heating elements.

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**Section 07: HANDLING AND STORAGE**

Handling..... Do not breathe vapour or mist. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Use with adequate ventilation. Do not enter confined spaces unless adequately ventilated.

**Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Eye/Type..... Safety glasses with side-shields.  
 Skin/Type..... Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact.  
 Respiratory/Type..... Not required on a short-term basis or if exhaust ventilation is provided. Use approved NIOSH respirators for emergencies.  
 Engineering Controls..... Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.  
 Exposure Limits

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Ethyl Alcohol	Not established	1,000 ppm 15 minutes	1,000 ppm	Not established	1,000 ppm
Propane	2,500 ppm	Not available	1,000 ppm	Not available	1,000 ppm
Isobutane	800 ppm	1000 ppm	800ppm	Not available	800 ppm (TWA)

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State..... Aerosol.  
 Physical Appearance..... Clear mist.  
 Odour..... Fragrance.  
 Odour Threshold (ppm)..... Not determined.  
 pH..... Not applicable.  
 Vapour Pressure (psig)..... 70 - 90 .  
 Vapour Density (Air=1)..... > 1.  
 Evaporation Rate (n-Butyl Acetate = 1)..... 1.8.  
 Initial Boiling Point/Boiling Range (° C)..... 80 °C / 176 °F.  
 VOC Content..... > 95 wt%.  
 Specific Gravity (liquid)..... 0.780-0.810.  
 Specific Gravity (Aerosol)..... 0.620- 0.660.  
 Solubility in water..... Lightly miscible in water.  
 Aerosol Flame Projection..... Not available .  
 Auto Ignition Temperature (Propellant), ° C.. 460 °C/860 °F.  
 Flashback..... No data .  
 Flash Point (° C), Method..... -83.15°C/ -117.7°F.  
 Lower Flammable Limit (% Vol)..... 1.8.  
 Upper Flammable Limit (% Vol)..... 8.5.

**Section 10: STABILITY AND REACTIVITY**

Stability..... Stable under the recommended storage and handling conditions.  
 Incompatibility..... Strong oxidizing agents.  
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge. High temperatures may cause thermal decomposition.  
 Hazardous Products of Decomposition..... May form carbon dioxide and carbon monoxide, various hydrocarbons.  
 Hazardous Polymerization..... Will not occur.

**Section 11: TOXICOLOGICAL INFORMATION**

Route of Exposure..... Skin contact, Eye contact, Inhalation.  
 Effects of Acute Exposure..... Contact with skin and eyes may cause mild to moderate irritation and frostbite. Symptoms may include redness, pain, numbness, prickling and itching.  
 Effects of Chronic Exposure..... No known adverse effects .  
 Carcinogenicity of Material..... Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.  
 Reproductive Effects..... No information is available, and no adverse effects are expected.  
 Teratogenicity..... No information is available, and no adverse effects are expected.  
 Mutagenicity..... No information is available, and no adverse effects are expected.  
 Toxicological Data

Ingredients	LC50	LD50
Ethyl Alcohol	20,000 ppm (10 hrs)	12.6 g/kg (rat - oral)
Propane	>800,000 ppm (15 min,Inh.rat)	Not available
Isobutane	658 mg/L (4hrs, rat)	Not available

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**Section 12: ECOLOGICAL INFORMATION**

Environmental..... Liquid release is only expected to cause localized, non-persistent environmental damage, such as freezing.

**Section 13: DISPOSAL CONSIDERATIONS**

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

**Section 14: TRANSPORT INFORMATION**

TDG (Canada- Road)..... AEROSOLS, Class 2.1, UN1950.  
DOT (US-Road)..... AEROSOLS, Class 2.1, UN1950, LTD. QTY. OR ORM-D.  
IMDG (International- Marine)..... AEROSOLS, Class 2.1, UN1950.  
IATA (International- Air)..... AEROSOLS, Class 2.1, UN1950, LTD QTY.

**Section 15: REGULATORY INFORMATION**

Canada..... WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol. D2B: Material causing other toxic Materials.  
USA..... 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**

Disclaimer..... The information contained herein 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.

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; WHIMIS: Workplace Hazardous Materials Information System.

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