empack

# SAFETY DATA SHEET

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

# PRODUCT: Emzone Glass Cleaner Ammonia Fortified - 517 gg

CODE: P6-044003

# SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Item Numbers Product Identity Manufacturer	
24 hour emergency telephone number	In Canada: Call CANUTEC (613) 996-6666 - In The United States: Call CHEMTREC (800) 424-9300.
Recommended Use Chemical Family	Cleaner

#### **SECTION 02: HAZARDS IDENTIFICATION**



Label Elements: Signal Word Hazard Classification:	WARNING.
Physical Hazards Health Hazards	Aerosols - Category 3. Gases Under Pressure - Liquefied Gas .
Health Hazards Environmental Hazards	Skin Irritation - Čategory 3. Eye Irritation - Category 2. Not Classified.
Hazard Statement	Pressurized container: may burst if heated. Contains gas under pressure; may explode if heated. Causes mild skin irritation. Causes serious eye irritation.
Precautionary Statements:	,
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Wash hand thoroughly after handling. Wear eve protection/face protection.
Response	If skin Irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. Store in a well ventilated place .
Disposal	Dispose of contents/ container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS			
HAZARDOUS INGREDIENTS	CAS #	WT. %	
Isopropyl alcohol	67-63-0	5-10	
Isobutane	75-28-5	5-10	
2-Butoxyethanol	111-76-2	1-5	
Ammonia	7664-41-7	0.1-1	

# SECTION 04: FIRST AID MEASURES

Inhalation	, , , , , , , , , , , , , , , , , , ,
	immediate medical assistance.
Skin Contact	Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20
	minutes. Consult a poison control centre or physician immediately.
Eye Contact	
2	15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
Ingestion	
3	aspiration into the lungs. If aspiration is suspected obtain immediate medical attention.

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# SECTION 04: FIRST AID MEASURES

Most important symptoms/effects, acute and delayed Indication of immediate medical attention and special treatment needed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain. Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

# **SECTION 05: FIRE FIGHTING MEASURES**

Suitable Extinguishing Media Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
	al In case of fire, the following can be released: Carbon Oxides (CO, CO2), Other unidentified Organic Compounds.
Special Protective Equipment and Precautions for Firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
General Fire Hazards	

# SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	No action shall be taken involving any personal risk or without suitable training. Evacuate 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 personal protective equipment (see Section 08).
Methods and Materials for Containment and Cleaning Up	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). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.
Environmental Precautions	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 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	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

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

INGREDIENTS	ACC TWA	GIH TLV STEL	PEL	SHA PEL STEL	NIOSH REL
Isopropyl alcohol	400 ppm (980 mg/m	n3) 500 ppm (1,225 mg/m3)	400 ppm (980 mg/m3)	500 ppm (1,225 mg/m3)	400 ppm (980 mg/m3)
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available
2-Butoxyethanol	20 ppm	Not available	50 ppm	Not available	Not available
Ammonia	25 ppm	35 ppm	35 mg/m3	Not available	Not available
Appropriate Engineering Individual Protection Mea Eye/Face Protection Skin Protection Respiratory Protection Thermal Hazards General Hygiene Consid	asures: 	/alue if unprotected pe Chemical splash goggl Chemical resistant glov appropriate chemical re Jse dust and mist resp Vone Known. Vhen using, do not eat such as washing after h	rsonnel are involved. es are recommended esistant clothing. irator. , drink or smoke. Alwa nandling the material a	n the point of use below Avoid contact with the ays observe good perso and before eating, drink equipment prior to use.	skin. Wear onal hygiene measures, ing, and/or smoking.



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# SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

# SECTION 10: STABILITY AND REACTIVITY

Reactivity
Possibility of Hazardous Reactions Conditions to Avoid
Incompatible Materials Hazardous Decomposition Products

Product not reactive under normal conditions of use. Material is stable under normal conditions. Will not occur. Avoid sources of heat and flame, and electrostatic charge. Keep away from heat. Strong oxidizing agents. See Section 05.

# SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	L	LC50	LD50
Isopropyl alcohol	7	73 mg/L (Rat - 4hrs)	3,636 mg/kg (Oral - Rat); 4,059 mg/kg (Dermal - Rabbit)
Isobutane	6	658 mg/L (Rat - 4hrs)	Not available
2-Butoxyethanol	2	2.175 mg/L (Rat - 4hrs)	530 mg/kg (Oral - Rat); 400-500 mg/kg (Dermal - Rabbit)
Ammonia	1	I.39 mg/L (Rat - 4hrs)	350 mg/kg (Oral - Rat)
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 Respiratory or Skin Sensitization Germ Cell Mutagenicity Carcinogenicity Reproductive Toxicity STOT - Single Exposure STOT - Repeated Exposure STOT - Repeated Exposure Aspiration Hazard Chronic Effects	vision. Defatting of the skir tiredness, nausea and von Harmful or fatal if swallows irritation. Causes mild skin irritation. Causes serious eye irritatii May cause sensitization by No information is available None of the ingredients are No information is available. Breathing high concentrati effects. Intentional misuse harmful or fatal. Breathing of high vapour c	niting. ed. Irritating to the eyes,nose and . Prolonged contact may be more on. y skin contact. Inhalation may cau	ness, swelling, and blurred y be headache, dizziness, throat. Skin contact may cause irritating. se respiratory tract irritation. o humans by IARC or ACGIH. ected. etic effects and serious health inhaling this product may be etic effects and serious health

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### **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity 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.....

This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

### **SECTION 14: TRANSPORT INFORMATION**

TDG (Canada- Road)	UN1950, AEROSOLS, Class 2.2.
DOT (US-Road)	UN1950, AEROSOLS, Class 2.2, LTD QTY, Consumer Commodity, ORM-D.
IMDG` (International- Marine)	
IATA (International- Air)	UN1950, AEROSOLS, Class 2.2, LTD QTY.

# **SECTION 15: REGULATORY INFORMATION**

Canada Regulations:	
Canadian Environmental Protection Act (CEPA)	Material causing other toxic Materials. All ingredients listed appear on the Domestic Substances List (DSL).
US Regulations	Environmental Protection Act: Constituents of this product are included on the TSCA inventory. This product is considered hazardous under the OSHA Hazard Communication
California Proposition 65	Standard.

# **SECTION 16: OTHER INFORMATION**

Disclaimer	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:
Prepared by Latest Revision	Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity. Regulatory Affairs JUL 23/2018



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