

Safety Data Sheet

**Product Code: 8405500,
 8405502, 8415503, 8425502**

Section I – Product and company identification

Product's Name: Alaskan Windshield De-Icer (500gr)

Manufacturer's Name Empack Spraytech Inc.	Emergency Telephone Number: 1-800-268-2806, option 1
Address 98 Walker Drive	Telephone Number for information: 1-800-268-2806
Bramptom, Ontario	Prepared by: Technical Department
Canada, L6T 4H6	

Section II – Hazard Identification



Hazardous Classification:	
Physical Hazards	Gases Under Pressure - Compressed gas . Flammable Aerosols - Category 1 .
Health Hazards	Skin Irritation - Category 2. Eye Irritation - Category 2B. Acute Toxicity Inhalation - Category 4. Acute Toxicity Oral - Category 3. Specific Target Organ Toxicity, Single Exposure - Category 1. Toxic to Reproduction - Category 2.
Environmental Hazards	Chronic Aquatic Hazard - Category 1.
Label Elements:	
Signal Word	Danger
Hazard Statements	Extremely flammable aerosol. Pressurized container: may burst if heated. Harmful if inhaled. Causes eye irritation. Causes skin irritation. Causes damage to organs. Toxic if swallowed. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life with long lasting effects.
Precautionary Statements:	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink, or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Avoid release to the environment .
Response	IF INHALED: Remove person to fresh air and keep comfortable for breathing . Call a POISON CENTER if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER. Rinse mouth. 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. IF ON SKIN: Wash with plenty of soap and water . If Skin Irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If exposed or concerned: Get medical advice/attention. Collect spillage .
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F . Store locked up.
Disposal	Dispose of contents/ container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None Known

Section III – Composition, Information and Ingredients

Hazardous Ingredients	CAS #	Wt. %
Methanol	67-56-1	60-100
Isopropyl Alcohol	67-63-0	7-13
Carbon Dioxide	124-38-9	5-10
Propylene glycol	57-55-6	3-7

Section IV – Emergency and First Aid Measures**Inhalation**

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

Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.

Ingestion

Ingestion is unlikely to occur. If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention.

Most important symptoms / effects, acute and delayed indication of immediate medical attention and special treatment needed.

This product contains methanol which can cause intoxication and CNS depression. 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 V – Fire Fighting Measures

Suitable Extinguishing Media:

Dry chemical powder. Carbon dioxide. Foam, water spray or fog.

Unsuitable Extinguishing Media:

Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical:

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

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:

Flammable

Section VI – 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. Do not touch or walk 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:	Spill areas may be slippery. Use care to avoid falls or other accidents. Contain the spill. Clean up the spill area with detergent and water. Once spilled material has been collected, use rags or other suitable material to clean spill area. Rags should be properly disposed of.
Environmental Precautions:	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Section VII – 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 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:	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 VIII – Exposure Control and Personal Protection

Ingredients	ACGIH		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	REL
Methanol	200 ppm	250 ppm	200 ppm	250 ppm	200 ppm
Isopropyl Alcohol	400 ppm (983 mg/m ³)	500 ppm (1230 mg/m ³)	400 ppm (983 mg/m ³)	500 ppm (1230 mg/m ³)	400 ppm (TWA)
Carbon Dioxide	5000 ppm	30000 ppm	9000 mg/m ³	Not Available	STEL: 30000ppm; TWA: 5000ppm
Propylene glycol	Not Available	Not Available	Not Available	Not Available	

Appropriate Engineering Controls	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.
Individual Protection Measures:	
Skin Protection:	Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing. Wear impervious (rubber, nitrile) gloves.
Respiratory Protection:	A positive pressure, supplied-air respirator or a self-contained breathing apparatus is recommended.
Thermal Hazards:	None Known.
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 to remove contaminants.

Section IX – Physical and Chemical Properties			
Form:	Aerosol.	Physical Appearance:	Colorless liquid .
Odor:	N/A	Odor Threshold (ppm):	N/A
Specific Gravity (Aerosol)	0.809	Specific Gravity (Liquid)	0.790 - 0.830
Aerosol Vapour Pressure (psig, 21°C)	100-120	Vapour Density (Air=1)	>1
pH	N/A	Boiling Point liquid (°C)	64.5°C (148°F).
Melting/Freezing Point (°C)	N/A	Flash Point (°C), Method	Closed cup: 12.0 °C (53 °F).
Flashback	Yes	Evaporation Rate (n-Butyl Acetate = 1)	>1
VOC Content	N/A	Solubility in water	Soluble
Aerosol Flame Projection	>100cm	Auto Ignition Temperature (°C)	465 °C/869 °F.
Lower Flammable Limit (% Vol)	2.6	Upper Flammable Limit (% Vol)	36.5
Coefficient of Water/Oil Distribution	N/A	Viscosity	Thin

Section X – Stability and Reactivity

Reactivity:	Product not reactive under normal conditions of use.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	Will not occur
Conditions to Avoid:	Avoid sources of heat and flame, and electrostatic charge. Excessive heat, ignition sources, and oxidizing materials.
Incompatible Materials:	Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products:	Carbon Oxides

Section XI – Toxicological Information

Ingredients	LC50	LD50
Methanol	128.2 mg/L (4h,Rat)	5628 mg/kg (Rat, Oral); 15,840 mg/kg (Rabbit, Dermal)
Isopropyl Alcohol	>20,000 ppm (4hrs-rat)	4,700 - 5,800 mg/kg (oral,rat)
Carbon Dioxide	Not available	Not available
Propylene glycol	Not available	20,000 mg/kg (oral, rat)
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation	Yes	
Routes of entry - Skin & Eye	Yes	
Routes of entry - Ingestion	Yes	
Routes of entry - Skin Absorption	Yes	
Symptoms Related to the Physical, Chemical and Toxicological Characteristics	Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.	
Acute Toxicity	Harmful or fatal if swallowed. Irritating to the eyes.	
Skin Corrosion/Irritation	Causes skin irritation.	
Serious Eye Damage/Eye Irritation	Causes eye irritation.	
Respiratory or Skin Sensitization	May cause sensitization by skin contact .	
Germ Cell Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic.	
Carcinogenicity	Not Classifiable as a Human Carcinogen.	
Reproductive Toxicity	Methanol has caused birth defects to rats exposed to 20,000 ppm.	

Specific Target Organ Toxicity – Single Exposure:	Causes damage to organs
Specific Target Organ Toxicity – Repeated Exposure:	No data available
Aspiration Hazard:	Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
Chronic Effects:	Unconsciousness. May be harmful if absorbed through skin. Repeated exposure by inhalation or absorption of methanol may cause systemic poisoning, brain disorders, impaired vision and blindness. Inhalation may worsen conditions such as emphysema or bronchitis. Repeated skin contact may cause dermal irritation, dryness and cracking. Effects of sub lethal doses may be nausea, headache, abdominal pain, vomiting and visual disturbances ranging from blurred vision to light sensitivity. Methanol is toxic by inhalation and ingestion. Inhalation of vapors may cause cyanosis, CNS effects, lethargy, loss of consciousness and death. The effects from inhalation may be delayed. Ingestion may cause malaise, CNS effects, discomfort, and death if not treated promptly. Ingestion of methanol has resulted in adverse effects (necrosis and haemorrhaging) in the brain. Medical conditions aggravated by exposure include: skin disorders and allergies, liver disorders and eye disease. Undocumented reports suggest that this product may form a siloxane polymer on the eyes, lungs, or other mucous membranes. Long term exposure to methanol has been associated with headaches, giddiness, conjunctivitis, insomnia and impaired vision. Dermal absorption of significant amounts of methanol resulted in death in several animal species. Toxic effects in animals exposed to methanol by inhalation include eye irritation, blindness and nasal discharge. Toxic effects observed in animals exposed to methanol by ingestion include CNS effects, gastrointestinal effects, anesthetic effects, damage to the optic nerve and acidosis.

Section XII – Ecological Information

Ecotoxicity:	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. Methanol (CAS#: 67-56-1): Toxicity to fish: LC50 15400-29400 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: EC50 >10,000 mg/L, 48 hrs; Toxicity to algae: EC50 22,000 mg/L, 72hrs. Isopropanol alcohol (CAS#: 67-63-0): Toxicity to fish: LC50 9,640 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 5,102 mg/L, 96 hrs; Toxicity to algae: EL50 >2,000 mg/L, 72 hrs.
Persistence and degradability:	The product itself has not been tested.
Bioaccumulation Potential:	The product itself has not been tested.
Mobility in Soil:	The product itself has not been tested.
Other Adverse Effects:	None Known.

Section XIII – Disposal Information

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.
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Section XIV – 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 XV – Regulatory Information

Canada Regulations:..... WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol. D1B: Material causing very toxic effects.

Canadian Environmental Protection Act All ingredients listed appear on the Domestic Substances List (DSL). (CEPA)

US Regulations..... Environmental Protection Act: Constituents of this product are included on the TSCA

OSHA..... This product is considered hazardous under the Federal OSHA hazard Communication standard.

California Proposition 65..... This product contains methanol known to the state of California to cause Developmental reproductive toxicity.

Section XVI – Other Information

Original Issued Date: May 25, 2015

Additional Information: The information above is accurate and reliable to the best of our knowledge as the date hereof. However, such information is not to be interpreted as representing a warranty or guarantee as to its accuracy and reliability or completeness. No warranty of any kind is given or implied and PREMIER TECH HOME & GARDEN will not be liable for any damages, losses, injuries or consequential damages which may result from the uses or reliance on any information contained. The users must do their own research for the pertinence of the information for specific use. For more information: www.premiertechhomeandgarden.com.
