


Safety Data Sheet

Section 1. Identification		
Product Identifier	Windshield Wash Winter	Version: 8 Effective Date: 25 January 2021
Other Means Of Identification	None	
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Recommended Use and Restrictions On Use	Winter windshield wash fluid. No restrictions	
Product Family	Blend	
Emergency Phone	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST	

Section 2. Hazard Identification	
Hazard Classification	
Physical Hazards	Flammable Liquid – Category 2
Health Hazards	Acute Toxicity (Oral) – Category 3 Acute Toxicity (Dermal) – Category 3 Acute Toxicity (Inhalation) – Category 3 Eye Damage / Irritation – Category 2A
Signal Word	Danger
Hazard Statement	Highly flammable liquid and vapour. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes serious eye irritation.
Precautionary Prevention Statement	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves, clothing, eye and face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

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	Avoid breathing fume, mist, vapours and spray. Use only outdoors or in a well-ventilated area.
Precautionary Response Statement	<p>IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with plenty of water or shower if on clothing.</p> <p>Call a doctor if you feel unwell. In case of fire: Use Dry chemical, alcohol resistant foam, carbon dioxide to extinguish.</p> <p>IF SWALLOWED: Immediately call a doctor.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor.</p> <p>Specific Treatment: see supplemental first aid instructions on this label. Do not induce vomiting unless directed by medical personnel.</p> <p>Rinse mouth.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>If eye irritation persists: Get medical attention.</p>
Precautionary Storage Statement	Store in a well-ventilated place, locked up. Keep container tightly closed. Keep cool.
Precautionary Disposal Statement	Dispose of contents / container in accordance with local regulations.
Other Hazards	None

Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Methanol	Methyl alcohol	67-56-1	35 – 50
Balance of ingredients are considered non hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures

Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	Rinse out mouth, and give two glasses of water. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.

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<p>Most Important Symptoms and Effects Both Acute and Delayed</p>	<p>Acute Poison. May be fatal if swallowed. If swallowed there is a risk of blindness. Toxic if swallowed, in contact with skin or if inhaled. Ingestion causes nausea, weakness and central nervous system effects, headache, vomiting, dizziness, symptoms of drunkenness. Coma and death due to respiratory failure may follow severe exposures: Medical treatment necessary. A latent period of several hours may occur between exposure and the onset of symptoms.</p> <p>Delayed Causes damage to organs through prolonged or repeated exposure</p>
<p>Immediate Medical Attention and Special Treatment</p>	<p>Treat symptomatically and supportively. The severity of symptoms depends upon the length and concentration of the exposure. If ingested, get immediate medical attention. Antidote: Fomepizole enhances elimination of metabolic formic acid. Antidote should be administered by qualified medical personnel.</p>
<p>Additional First Aid Remarks</p>	<p>This product contains Methanol which can cause intoxication and central nervous system depression. Methanol is metabolised to formic acid and formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used to prevent methanol metabolism. Ethanol administration is indicated in symptomatic patients or at blood methanol concentrations above 20 ug/dl. Methanol is effectively removed by haemodialysis. Fomepizole (4-methylpyrazole) is an effective antagonist of alcohol dehydrogenase, and as such may be used as an antidote in methanol poisoning.</p>

Section 5. Fire-Fighting Measures	
<p>Suitable and Unsuitable Extinguishing Media</p>	<p>Dry chemical, alcohol resistant foam, carbon dioxide. Do not use direct water jet.</p>
<p>Hazardous Combustion Products</p>	<p>Oxides of carbon</p>
<p>Specific Hazards Arising From the Product</p>	<p>Highly flammable liquid and vapor. Mixtures >20% methanol with water: flammable. May form explosive mixture with air. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Containers may rupture or explode if exposed to heat. Dangerous gases may accumulate in confined spaces. Toxic.</p>

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Special Protective Equipment and Precautions For Fire-Fighters.	Fire-fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.
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Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Chemical resistant gloves (nitrile), boots, safety glasses, respirator, flameproof coveralls. Move container from fire area if it can be done without risk. Do not breathe gas/fume/vapor/spray. Avoid contact with eyes and skin.
Environmental Precautions	Do not allow spilt material to enter surface drains and watercourses.
Methods and Materials For Containment and Clean-Up	Remove all sources of ignition, flammable vapours may travel or be moved by air currents to sources of ignition such as pilot lights. Pump up large volumes of product if possible, dike and soak up remaining material on a suitable absorbent, place in a container for disposal.

Section 7. Handling and Storage	
Precautions For Safe Handling	Flammable liquid, handle with care. Ground all drums and containers when discharging or filling. Empty containers will be hazardous when empty, residues are flammable and can cause containers to explode. Do not cut or weld empty containers.
Conditions For Safe Storage	Store in a cool dry place. Keep containers tightly closed when not in use. Keep area well ventilated. Remove all sources of ignition.

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Methanol	200 ppm (AB, OEL)	250 ppm (AB, OEL)		
* Immediately Dangerous to Life and Health				
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Use explosion-proof electrical/ventilating/lighting equipment. Handle substance within a closed system. Ground/Bond container and receiving equipment. Maintain eye wash fountain and quick-drench shower in work area.			
Individual Protective Measures				
Eye / Face Protection	Safety glasses			

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Skin Protection	Chemical resistant (rubber/ neoprene) gloves, coveralls
Respiratory Protection	Air purifying respirator with organic vapour cartridges if exposure limits are being exceeded.

Section 9. Physical and Chemical Properties	
Appearance	Clear, blue liquid, with pungent odour
Odour	Pungent odour
Odour Threshold	Not data
pH	Not applicable
Flash Point	28 - 30 oC
Boiling Point and Boiling Range	No data
Melting Point and Freezing Point	- 40 °C
Evaporation Rate	No data
Flammability (solid, gas)	N/A
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	No data
Vapour Density	No data
Relative Density	0.9399
Solubility	Soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	No data
% Volatile	35 - 50
Decomposition Temperature	No data
Viscosity	No data

Section 10. Stability and Reactivity	
Reactivity	Stable
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	None known
Incompatible Materials	Avoid contact with calcium hypochlorite, hypochlorites, peroxides, reactive metals such as aluminum, magnesium and sodium, strong acids, strong bases, strong oxidising agents, zinc.
Hazardous Decomposition Products	Will not decompose under normal conditions of use.

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Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Methanol	LDLO 300 mg/kg (Human, oral)	12.8g/kg (Rabbit)	64000 ppm (Rabbit), 4h
Likely Routes of Exposure			
Skin:	May cause redness and irritation with prolonged contact.		
Eyes:	May cause redness and tearing. May cause permanent eye damage.		
Inhalation:	May cause irritation of the respiratory system, dizziness, stupor, cramps, unconsciousness and possibly death.		
Ingestion:	May be toxic due to Methanol content of the product - – methanol is a poisonous narcotic which causes toxic effects compounded by repeated excessive exposures over several days. Causes nausea, cardiac depression, muscular inco-ordination, narcosis (unconsciousness), headache, visual disturbances due to effects on the optic nerve ranging from double vision to blindness. Initial symptoms may reoccur with increased severity following a latent period of 6 to 30 days. In non lethal cases of methanol poisoning recovery is slow and accompanied by symptoms of malaise and painful extremities. Partial or total blindness may persist or become permanent.		
Acute Toxicity Estimates (ATE)	Poison. May be fatal if swallowed. If swallowed there is a risk of blindness. Toxic if swallowed, in contact with skin or if inhaled.		
STOT (Specific Target Organ Toxicity) – Single Exposure	Optic nerve, central nervous system		
Aspiration Toxicity	May cause respiratory tract irritation		
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified		
Skin Corrosion / Irritation	May cause irritation		
Serious Eye Damage / Irritation	May cause irritation		
Respiratory or Skin Sensitization	Not classified		
Carcinogenicity	This substance has no evidence of carcinogenic properties.		
Chronic Toxic Effects	Methanol can cause blindness and accumulate in the body. Methanol has caused birth defects in laboratory animals, when inhaled at extremely high concentrations.		
Reproductive Toxicity - Sexual Function and Fertility	Not classified		

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- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	None known
Other Information	None known

Section 12. Ecological Information	
Ecotoxicity	Methanol: EC50: >10,000 mg/L Daphnia magna (48hr)
Persistence and Degradability	Will not persist
Bioacumulative Potential	Not available
Biodegradability	Readily biodegradable
Mobility in Soil	Not available
Other Adverse Effects	None known

Section 13. Disposal Considerations	
Disposal Considerations	Dispose of contents / container in accordance with local regulations.

Section 14. Transport Information	
UN Number	1230
UN Proper Shipping Name	Methanol / Methyl Hydrate
Transport Hazard Class(es)	3 (6.1)
Packaging Group	II
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	131

Section 15. Regulatory Information	
Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt

Additional Information	None
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Section 16. Other Information	
NFPA Rating	Health-3/ Flammability-3/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-3/Flammability-3/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
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