


Material Safety Data Sheet

Section 1. Chemical Product and Company Identification		
Product Name:	Windshield Wash Summer	Version: 4 Effective Date: June 27, 2014
Supplier / Manufacturer:	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Material Uses	Windshield washer fluid	
24 Hour Emergency	Canutec (613) 996-6666	
WHMIS		
		
This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR		
HMIS Ratings for this product are: Health 3 , Flammability 0 , Reactivity 0		

Section 2. Composition and Information on Ingredients		
Name	CAS#	% by weight
Methanol	67-56-1	1 - 5
See Section 8 for information on permissible exposure limits and threshold limit values		

Section 3. Hazards Identification	
Physical State and Appearance	Pale yellow, clear liquid with slight odour
Hazard Summary	Toxic, irritant
Routes of Exposure	Skin – contact, absorption, eyes, inhalation, ingestion
Potential Acute Health Effects	<p>Skin: Irritant. Will cause redness, drying and cracking of the skin</p> <p>Eyes: Irritant. Will cause severe irritation of the eyes. Any cause permanent damage to the eyes.</p>

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	<p>Inhalation: Irritant. Will cause irritation of the respiratory system, dizziness, stupor, cramps, unconsciousness and possibly death.</p> <p>Ingestion: Toxic. Due to the methanol content of this 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.</p>
Medical Conditions Aggravated by Exposure	Methanol - Pre-existing disorders may be aggravated by exposure to this material:- skin, lung (eg. asthma and similar), liver, kidney, central nervous system, pancreas, heart. Exposure to this material may aggravate conditions sensitive to low oxygen levels, such as chronic lung disease, coronary artery disease or anaemia's.
See Toxicological Information – Section 11	
Additional Hazard Identification Remarks	Over exposure to this material has been shown to cause permanent visual impairment. Methanol has caused birth defects in laboratory animals, when inhaled at extremely high concentrations.

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	Give two glasses of water. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Notes to Physician	Product contains methanol – see exposure details
Additional First Aid Remarks	See exposure details

Section 5. Fire Fighting Measures	
Flammability of the Product	Non flammable
Flash Point	Not applicable

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Explosive Limits	Not applicable
Auto Ignition Temperature	Not applicable
Static Discharge	No
Suitable Extinguishing Media	Use extinguishing media suitable for surrounding fire
Hazardous Combustion Products	Oxides of carbon
Precautions for Fire Fighting	Fire fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

Section 6. Accidental Release Measures

Personal Precautions	Gloves (nitrile), coveralls and safety glasses
Environmental Precautions	Do not allow large quantities to enter the surface drains and storm sewers
Methods for Clean Up	Soak, pump or mop up, place in a suitable container for disposal. Wash area with water to remove residues.

Section 7. Handling and Storage

Handling	Handle with care.
Storage	Keep container closed when not in use

Section 8. Exposure Controls and Personal Protection

Exposure Guidelines	TWA: 8 Hr	STEL: 15 min	Ceiling
Methanol	200 ppm (AB, OEL)	250 ppm (AB, OEL)	
Exposure Controls	Local exhaust ventilation		
Personal Protection			
Respiratory	Not required under normal conditions of use		
Skin	Gloves (nitrile), coveralls and boots		
Eyes	Safety glasses		
Other	None		

Section 9. Physical and Chemical Properties

Physical State and Appearance	Pale yellow, clear liquid with slight odour
Odour Threshold	No data
pH	8
Boiling Point	No data

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Melting Point / Freezing point	No data
Evaporation Rate	No data
Vapour Density	No data
Vapour Pressure	No data
Specific Gravity	0.995
Solubility in Water	Completely soluble
% Volatile	No data
Other Data	None

Section 10. Stability and Reactivity	
Chemical Stability	Stable
Hazardous Polymerisation	Will not occur
Conditions to Avoid	No data
Materials to Avoid	Strong oxidisers and strong acids
Hazardous Decomposition Products	Not expected to decompose under normal conditions of use

Section 11. Toxicological Information	
Principle Routes of Exposure	
Skin:	Irritant. Will cause redness, drying and cracking of the skin
Eyes:	Irritant. Will cause severe irritation of the eyes. May cause permanent damage to the eyes.
Inhalation:	Irritant. Will cause irritation of the respiratory system, dizziness, stupor, cramps, unconsciousness and possibly death.
Ingestion:	Toxic. Due to the methanol content of this 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.
Additional Information	
Acute Toxicity	
Methanol	LDLO: 300 mg/kg (Human, oral) LD50: 12800 mg/kg (Rabbit, dermal) LC50: 64000ppm 4 hrs (Rat, inhalation)
Chronic Toxic Effects – Exposure to Methanol can cause blindness	

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Carcinogenicity – Not listed

Reproductive Toxicity / Teratogenicity / Embryotoxicity / Mutagenicity – Methanol has caused birth defects in laboratory animals, when inhaled at extremely high concentrations

Section 12. Ecological Information

Ecotoxicity No data

BOD and COD No data

Biodegradability / OECD No data

Toxicity of the Products of Biodegradation No data

Special Remarks None

Section 13. Disposal Considerations

Dispose of in accordance with local, provincial and federal regulations

Section 14. Transport Information

TDG Classification Not regulated for TDG

Emergency response Guide # Not applicable

Marine Pollutant No

Special Precautions None

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

WHMIS Hazard Class D1A D2A

Additional Information None

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Section 16. Other Information**Prepared by:**

Chemfax Products Ltd., Technical Department

Date Prepared: September 22, 2011**Revision Date:** June 27, 2014**Disclaimer**

Notice to reader

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