





WHMIS (Pictograms)	WHMIS (Classification)	Personal protective equipment
	Class D-1B: Material causing immediate and serious toxic effects (Toxic). Class D-2A: Material causing other toxic effects (Very toxic).	

Section 1. Product and Company Identification

Product name / Trade name	Bug Wash Summer Windshield Washer	Associated Product's Item Code	15-214
Synonym	Bug wash Summer wash	CAS #	Mixture.
Chemical family	Not applicable.	Validation date	Nov. 20 2014
Chemical formula	Not applicable.	Print date	Nov. 24 2014
Manufacturer/Supplier	Recochem Inc. 850 Montee de Liesse Montreal, Quebec 514-341-3550	In case of emergency	Recochem Inc. Communications and Regulatory Affairs Department (905) 878-5544
Material uses	Consumer products: Summer windshield washer.		

Section 2. Hazards identification

Emergency Overview	CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. Contains material that may cause target organ damage, based on animal data.
Potential Acute Health Effects	See section 11 for more detailed information on health effects and symptoms. Ingestion may cause blindness. May cause mild eye irritation.
Note to Physician	This product contains methanol. Acute exposure to methanol, either through ingestion or breathing high airborne concentrations can result in symptoms appearing between 40 minutes and 72 hours after exposure. Symptoms and signs are usually limited to CNS, eyes and gastrointestinal tract. Because of the initial CNS's effects of headache, vertigo, lethargy and confusion, there may be an impression of ethanol intoxication. Blurred vision, decreased acuity and photophobia are common complaints. Treatment with ipecac or lavage is indicated in any patient presenting within two hours of ingestion. A profound metabolic acidosis occurs in severe poisoning and serum bicarbonate levels are a more accurate measure of severity than serum methanol levels. Treatment protocols are available from most major hospitals and early collaboration with appropriate hospitals is recommended.

Section 3. Composition, information on ingredients

Canada		
Name	CAS number	Conc. (% w/w)
methanol	67-56-1	1 - 5

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There are no other ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4. First aid measures

Eye contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Notes to physician	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5. Fire-fighting measures

Products of combustion	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Fire-fighting media and instructions	Use an extinguishing agent suitable for the surrounding fire.
Fire Hazards	Non-flammable substance.
Explosion Hazards	Will not occur.

Section 6. Accidental release measures

Small spill and leak	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill and leak	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Engineering controls	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Personal protection	<p><i>Eyes</i> Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: splash goggles</p> <p><i>Body</i> Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</p> <p><i>Respiratory</i> Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.</p> <p><i>Hands</i> Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. >8 hours (breakthrough time): nitrile rubber</p>

United States

Product name

methanol

Exposure limits

ACGIH TLV (United States, 1/2007). Absorbed through skin.

- TWA: 200 ppm 8 hour(s).
- TWA: 262 mg/m³ 8 hour(s).
- STEL: 250 ppm 15 minute(s).
- STEL: 328 mg/m³ 15 minute(s).

OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.

- TWA: 200 ppm 8 hour(s).
- TWA: 260 mg/m³ 8 hour(s).
- STEL: 250 ppm 15 minute(s).
- STEL: 325 mg/m³ 15 minute(s).

NIOSH REL (United States, 12/2001). Absorbed through skin.

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TWA: 200 ppm 10 hour(s).
 TWA: 260 mg/m³ 10 hour(s).
 STEL: 250 ppm 15 minute(s).
 STEL: 325 mg/m³ 15 minute(s).
OSHA PEL (United States, 11/2006).
 TWA: 200 ppm 8 hour(s).
 TWA: 260 mg/m³ 8 hour(s).

Canada

Occupational exposure limits

No exposure limit value known.

Section 9. Physical and chemical properties

Physical State and Appearance	Liquid.	Odour	Slight alcohol odour.
Molecular weight	Not applicable.	Taste	Not available.
pH	8 to 10.5 [Basic.]	Colour	Pink.
Boiling/condensation point	100°C (212°F)	Volatility	1 to 5% (w/w).
Melting/freezing point	<-2°C (<28.4°F)	Evaporation rate	2.1 (Methanol) compared with Butyl acetate.
Relative density	0.93 to 0.96	Odour Threshold	Highest known value: 2000 ppm (Methanol)
Vapor pressure	>2.3 kPa (at 20°C)	Viscosity	Not available.
Vapour Density	1 (Air = 1)	Solubility	Soluble in water.
VOC content	10 to 50 (g/l).	Other Properties	Not available.
The product is:	Non-flammable.		
Auto-ignition temperature	Not applicable.		
Flash point	Not applicable.		
Flammable limits	Not applicable.		
Fire hazards in the presence of various substances	Not applicable.		

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Section 10. Stability and reactivity

Stability	The product is stable.
Conditions of instability	Not available.
Incompatibility with various substances	Not applicable.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Canada

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Conclusion/Summary	Not available.			

Chronic toxicity

Conclusion/Summary	Not available.
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Carcinogenicity

Conclusion/Summary	May be fatal or cause blindness if swallowed. Chronic Exposure Effects can include one or all of the following: Acute poisoning, headaches, nausea, vomiting, unconsciousness, kidney and liver damage. Exposure can cause dermatitis.
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Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
methanol	A5	4	-	-	-	None.

Mutagenicity

Conclusion/Summary	: Not available.
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Teratogenicity

Conclusion/Summary	: Not available.
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Reproductive Toxicity

Conclusion/Summary	: Not available.
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Section 12. Ecological information

For accidental discharges into the environment, see Section 6: "Accidental Release Measures" for suggested instructions.

Ecotoxicity	: No known significant effects or critical hazards.
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Aquatic ecotoxicity

Conclusion/Summary	: Not available.
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Biodegradability

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Conclusion/Summary : No additional remark.

Section 13. Disposal considerations

Waste information The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14. Transport information

Canada TDG Classification

Class Not regulated under TDG (Canada).
Subsidiary class -
Proper Shipping Name (Canada) TDG Not applicable.
UN number Not applicable.
Packing Group Not applicable.
Special provisions Not applicable.

No placard (handling and hazard label) required.

IMDG Classification

Class Not controlled under IMDG.
Subsidiary class -
Proper Shipping Name IMDG Not applicable.
UN number Not applicable.
Packing Group Not applicable.
Marine pollutant Not a pollutant.
Special provisions Not applicable.

No placard (handling and hazard label) required.

United States DOT (Classification)

Class Not a DOT regulated material (United States).
Subsidiary class Not applicable.
Proper Shipping Name (United States) DOT Not applicable.
UN number Not applicable.

No placard (handling and hazard label) required.

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Packing Group Not applicable.

Special provisions Not applicable.

International Air Transport Association (IATA) For air shipment classification and associated regulations, please refer to the latest edition of IATA Dangerous Goods Regulations.

Section 15. Regulatory information

WHMIS Classification (Canada) Class D-1B: Material causing immediate and serious toxic effects (Toxic).
Class D-2A: Material causing other toxic effects (Very toxic).



Canada Domestic Substances List (DSL) Status This product and/ or all of its components are on the DSL.

HCS Classification (U.S.A.) Target organ effects

U.S.A. Regulatory Lists This product and/ or all of its components are on the TSCA inventory list.

Hazardous Material Information System (U.S.A.)

Health	2
Flammability	0
Reactivity	0
Personal protection	B

National Fire Protection Association (U.S.A.)



Section 16. Other information

Validated and verified by Compliance and Technical Information Manager on Nov. 20 2014 ph.# _____

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

MSDS are available at www.recochem.com