



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product name** WABIGOON Spray Clean  
**CAS #** Mixture  
**Product Use** Cleaner  
**Manufacturer** WLON Distribution  
Site 115, R.R.#1, Box 300  
Dryden, ON P8N 2Y4 CA  
Phone: (807) 938-1962  
Fax: (807) 938-1964  
Emergency Phone: 1-613-996-6666 (CANUTEC)  
**Supplier** WLON Distribution  
Site 115, RR 1, Box 300  
Dryden, ON P8N 2Y4 Canada  
Phone: (807) 938-1962  
Fax: (807) 928-1964  
Website: www.wlondistribution.ca  
Emergency Phone: 1-613-996-6666 (CANUTEC)

## 2. Hazards Identification

**Emergency overview** CAUTION  
MAY CAUSE SKIN IRRITATION. MAY CAUSE EYE IRRITATION.  
MAY CAUSE RESPIRATORY TRACT IRRITATION.

### Potential short term health effects

**Routes of exposure** Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

**Eyes** May cause irritation.

**Skin** May cause irritation.  
May be absorbed through the skin.

### US. NIOSH: Pocket Guide to Chemical Hazards

Ethylene glycol monobutyl ether (CAS 111-76-2) Can be absorbed through the skin.

**Inhalation** May cause respiratory irritation.

**Ingestion** May cause stomach distress, nausea or vomiting.

**Target organs** Blood. Eyes. Kidney. Liver. Respiratory system. Skin.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms may include redness, oedema, drying, defatting and cracking of the skin.  
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Potential environmental effects** See section 12.

## 3. Composition/Information on Ingredients

Components	CAS #	Percent
Ethylene glycol monobutyl ether	111-76-2	1 - 5
Nonylphenol polyethylene glycol ether	127087-87-0	1 - 5
Tetrasodium ethylenediamine tetraacetate	64-02-8	1 - 5

## 4. First Aid Measures

### First aid procedures

**Eye contact** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Skin contact** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion**

Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

**Notes to physician**

Treat patient symptomatically.

**General advice**

Wear rubber gloves and safety glasses. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

## 5. Fire Fighting Measures

**Flammable properties**

Not flammable by WHMIS criteria.

**Extinguishing media****Suitable extinguishing media**

Treat for surrounding material.

**Unsuitable extinguishing media**

Not available

**Protection of firefighters****Specific hazards arising from the chemical**

Not available

**Protective equipment for firefighters**

Firefighters should wear full protective clothing including self contained breathing apparatus.

**Hazardous combustion products**

May include and are not limited to: Oxides of carbon.

**Explosion data****Sensitivity to mechanical impact**

Not available.

**Sensitivity to static discharge**

Not available.

## 6. Accidental Release Measures

**Personal precautions**

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

**Environmental precautions**

Do not discharge into lakes, streams, ponds or public waters.

**Methods for containment**

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up**

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

## 7. Handling and Storage

**Handling**

Use good industrial hygiene practices in handling this material.  
 When using do not eat or drink.  
 Avoid contact with skin and clothing.  
 Avoid contact with eyes.  
 Keep container tightly closed.  
 Use only with adequate ventilation.  
 Wash thoroughly after handling.  
 Avoid breathing vapours or mists of this product.

**Storage**

Keep out of reach of children.  
 Store in a closed container away from incompatible materials.

## 8. Exposure Controls/Personal Protection

**Occupational exposure limits****ACGIH Biological Exposure Indices****Components****Type****Value**

Ethylene glycol monobutyl ether (CAS 111-76-2)

BEI

200 mg/g

**US. ACGIH Threshold Limit Values**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Ethylene glycol monobutyl ether (CAS 111-76-2)	TWA	20 ppm
<b>Exposure limits</b>	Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH.	
<b>Engineering controls</b>	General ventilation normally adequate.	
<b>Personal protective equipment</b>		
<b>Eye/Face protection</b>	Safety glasses	
<b>Hand protection</b>	Rubber gloves. Confirm with a reputable supplier first.	
<b>Skin and body protection</b>	As required by employer code.	
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.	
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practices. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.	

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**9. Physical and Chemical Properties**

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<b>Appearance</b>	Liquid
<b>Colour</b>	Orange
<b>Form</b>	Liquid
<b>Odour</b>	None
<b>Odour threshold</b>	Not available.
<b>Physical state</b>	Liquid.
<b>pH</b>	11.4
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Pour point</b>	Not available.
<b>Evaporation rate</b>	Not available
<b>Flash point</b>	> 98.9 °C (> 210.0 °F)
<b>Auto-ignition temperature</b>	Not available.
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not available.
<b>Flammability Limits in Air, Lower, % by Volume</b>	Not available.
<b>Heat of combustion</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Specific gravity</b>	1.01
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Solubility (Water)</b>	Not available.
<b>Relative density</b>	Not available.
<b>Viscosity</b>	Not available.
<b>VOC</b>	Not available
<b>Percent volatile</b>	Not available

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**10. Stability and Reactivity**

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<b>Reactivity</b>	This product may react with strong oxidising agents.
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<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Chemical stability</b>	Stable.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Caustics. Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.

## 11. Toxicological Information

### Toxicological data

Components	Species	Test results
Ethylene glycol monobutyl ether (CAS 111-76-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Guinea pig	207 mg/kg
	Rabbit	400 mg/kg
		220 mg/kg
		99 mg/kg
	Rat	99 mg/kg
<i>Inhalation</i>		
LC50	Mouse	700 ppm, 7 Hours
	Rat	450 ppm, 4 Hours
		2.2 mg/l, 4 Hours
<i>Oral</i>		
LD50	Guinea pig	1200 mg/kg
	Mouse	1200 mg/kg
	Rabbit	320 mg/kg
	Rat	470 mg/kg
Nonylphenol polyethylene glycol ether (CAS 127087-87-0)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	2750 mg/kg
Tetrasodium ethylenediamine tetraacetate (CAS 64-02-8)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	1658 mg/kg

### Effects of acute exposure

<b>Eye contact</b>	May cause irritation.
<b>Skin contact</b>	May cause irritation. May be absorbed through the skin.

#### US. NIOSH: Pocket Guide to Chemical Hazards

Ethylene glycol monobutyl ether (CAS 111-76-2)	Can be absorbed through the skin.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.

<b>Sensitisation</b>	Non-hazardous by WHMIS criteria.
<b>Chronic effects</b>	Non-hazardous by WHMIS criteria.
<b>Carcinogenicity</b>	See below.
<b>ACGIH Carcinogens</b>	
Ethylene glycol monobutyl ether (CAS 111-76-2)	A3 Confirmed animal carcinogen with unknown relevance to humans.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
Ethylene glycol monobutyl ether (CAS 111-76-2)	Volume 88 - 3 Not classifiable as to carcinogenicity to humans.
<b>Mutagenicity</b>	Non-hazardous by WHMIS criteria.
<b>Reproductive effects</b>	Non-hazardous by WHMIS criteria.
<b>Teratogenicity</b>	Non-hazardous by WHMIS criteria.
<b>Name of Toxicologically Synergistic Products</b>	Not available.

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## 12. Ecological Information

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**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

**Ecotoxicological data**

Components	Species	Test results
Ethylene glycol monobutyl ether (CAS 111-76-2)		
Crustacea	EC50	Daphnia
		1819 mg/L, 48 Hours
<b>Aquatic</b>		
Fish	LC50	Inland silverside (Menidia beryllina)
		1250 mg/l, 96 hours
Tetrasodium ethylenediamine tetraacetate (CAS 64-02-8)		
Algae	EC50	Algae
		1.01 mg/L, 72 Hours
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna)
		610 mg/l, 24 hours
Fish	LC50	Bluegill (Lepomis macrochirus)
		472 - 500 mg/l, 96 hours
<b>Persistence and degradability</b>	Not available.	
<b>Bioaccumulation/accumulation</b>	Not available	
<b>Mobility in environmental media</b>	Not available.	
<b>Environmental effects</b>	Not available.	
<b>Aquatic toxicity</b>	Not available.	
<b>Partition coefficient</b>	Ethylene glycol monobutyl ether 0.83	
<b>Chemical fate information</b>	Not available.	

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Review federal, provincial, and local government requirements prior to disposal. Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. Transport Information

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**Transportation of Dangerous Goods (TDG - Canada)**

Not regulated as dangerous goods.

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## 15. Regulatory Information

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<b>Canadian federal regulations</b>	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
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**Canada CEPA Schedule I: Listed substance**

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.  
 Nonylphenol polyethylene glycol ether (CAS 127087-87-0) Listed.

**Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number**

Ethylene glycol monobutyl ether (CAS 111-76-2) 1 TONNES

**Canada Priority Substances List (Second List): Listed substance**

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.  
 Nonylphenol polyethylene glycol ether (CAS 127087-87-0) Listed.

**Canada WHMIS Ingredient Disclosure: Threshold limits**

Ethylene glycol monobutyl ether (CAS 111-76-2) 1 %

**WHMIS status** Controlled  
**WHMIS Classification** Class D - Division 2B  
**WHMIS labeling**

**Inventory status**

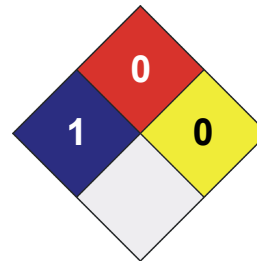
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>HEALTH</b>	/ 1
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	X

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Other information** For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.