

PRODUCT NAME: **Mr C More**

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## 1. IDENTIFICATION OF MATERIAL & SUPPLIER

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**NAME:** Ecowash Solutions Pty Ltd  
**ADDRESS:** 41 Chard Rd, BROOKVALE NSW 2100  
**PHONE:** 02 9938 9444  
**FAX:** 02 9905 7222  
**EMERGENCY NO:** 02 9938 9444  
**WEBSITE:** www.ecowashsolutions.com.au  
**SYNONYM(S)** Dilute, aqueous solution.  
**USE(S)** As a glass and window cleaner. Use as directed on the product label.  
**MSDS DATE:** 04 July 2011

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## 2. HAZARDS IDENTIFICATION

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**Not classified as hazardous according to criteria of Worksafe Australia. Non-dangerous goods.**

**Risk Phrases:** None.

### Safety Phrases

**S: 23** Do not breathe vapour.  
**S: 24/25** Avoid contact with skin and eyes

### NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>UN No.</b>	None Allocated	<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Pkg Group</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>EPG</b>	None Allocated

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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INGREDIENT	FORMULA	CAS NO.	CONTENT
Propan-2-ol	NOT AVAILABLE	[67-63-0]	← 10 %
Ethylene glycol monobutyl ether	NOT AVAILABLE	[111-76-2]	← 10 %
Ammonium hydroxide	NOT AVAILABLE	[1336-21-6]	← 10 %
WATER	H2O	[7732-18-5]	to 100.00 %

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## 4. FIRST AID MEASURES

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**EYE** Hold eyes open, flood with water for at least 15 minutes and seek medical advice.  
**INHALATION** Remove from exposure.  
**SKIN** Remove contaminated clothing and wash skin thoroughly.  
**INGESTION** Do not induce vomiting.  
**ADVICE TO DOCTOR** Product is a dilute aqueous solution containing low proportions of propan-2-ol and ethylene glycol monobutyl ether, and a very low proportion of ammonia. Contact Poisons Information Centre.  
**FIRST AID FACILITIES** Recommended: Eye wash. Hand wash-basin.

## 5. FIRE FIGHTING MEASURES

<b>FLAMMABILITY</b>	None
<b>FIRE &amp; EXPLOSION</b>	None
<b>EXTINGUISHING</b>	Water
<b>HAZCHEM CODE</b>	None Assigned

## 6. ACCIDENTAL RELEASE MEASURES

<b>SPILLAGE</b>	<p>For large spills:</p> <p>Contain spillage using sand or earth. Transfer liquid and solids to suitable container. Treat residues as for small spillage.</p> <p>For small spills:</p> <p>If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise, absorb on inert absorbent, transfer to suitable container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.</p>
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## 7. STORAGE AND HANDLING

<b>STORAGE</b>	Store in a cool, well-ventilated place, out of reach of children. Large quantities should be stored in a banded area. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.
<b>HANDLING</b>	Avoid contact with skin and eyes. Avoid breathing vapours or aerosols

## 8. EXPOSURE CONTROLS / PERSONAL EQUIPMENT

<b>EXPOSURE STANDARDS</b>	<p><b>ES-TWA:</b> Propan-2-ol                      400 ppm   983 mg/m<sup>3</sup></p> <p>Ethylene glycol monobutyl ether      25 ppm, 121 mg/m<sup>3</sup></p> <p>Ammonia    25 ppm, 17 mg/m<sup>3</sup></p> <p><b>ES-STEL:</b> Propan-2-ol 500 ppm, 1,230 mg/m<sup>3</sup></p> <p>Ammonia    35 ppm    24 mg/m<sup>3</sup></p> <p><b>ES-PEAK:</b> None assigned.</p> <p><b>Notations:</b> Propan-2-ol: Ethylene glycol monobutyl ether: Skin. Under review for reproductive effects.</p>
<b>BIOLOGICAL LIMIT VALUES</b>	No data found.
<b>ENGINEERING CONTROLS</b>	Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities or if aerosol risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible, and at least below the TLVs.
<b>PPE</b>	<p>Avoid contact with skin and eyes. Avoid breathing vapours or aerosols. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Normal Use: Eye/face protection, gloves: rubber or plastic.</p> <p>Industrial Quantities: Face shield or safety glasses, gloves: rubber or plastic, plastic apron, sleeves and boots impervious overalls.</p>

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Clear, colourless, mobile liquid.	<b>SOLUBILITY (WATER):</b>	Miscible with water in all proportions.
<b>ODOUR:</b>	Faint smell of ammonia.	<b>SPECIFIC GRAVITY:</b>	
<b>pH:</b>	Slightly alkaline.	<b>% VOLATILES:</b>	100 % (mostly as water)
<b>VAPOUR PRESSURE:</b>	No data.	<b>FLAMMIBILITY:</b>	None
<b>VAPOUR DENSITY:</b>	No data.	<b>FLASH POINT:</b>	None
<b>BOILING POINT:</b>	About 100 °C	<b>UPPER EXPLOSION LIMIT:</b>	Not relevant
<b>MELTING POINT:</b>	No data.	<b>LOWER EXPLOSION LIMIT:</b>	Not relevant
<b>EVAPORATION RATE:</b>	No data.	<b>AUTOIGNITION:</b>	No Data

## 10. STABILITY & REACTIVITY

<b>MATERIAL TO AVOID:</b>	Oxidising agents
<b>DECOMPOSITION:</b>	Oxides of carbon, traces of oxides of nitrogen.

## 11. TOXICOLOGICAL INFORMATION

<b>HEALTH HAZARD SUMMARY</b>	No data available for the mixture. Information presented relates to individual ingredients.
<b>EYE</b>	Liquid and aerosols may be irritating to the eyes. Over-exposure may cause itching, redness and irritation.
<b>INHALATION</b>	Aerosols, or high vapour levels, may cause irritation to the upper respiratory system. Over-exposure to propan-2-ol may cause decreased pulse rate, lowering of blood pressure, headache, dizziness, distorted perceptions, nausea.
<b>SKIN</b>	May cause mild irritation. Will have a degreasing effect on the skin which may lead to further irritation. The organic components may be absorbed directly through the skin.
<b>INGESTION</b>	Likely to cause gastric upset, with possible nausea and vomiting. Very large doses may cause distorted perceptions and hallucinations, decreased pulse rate, lowered blood pressure, headache, dizziness, narcosis and anaesthesia.
<b>TOXICITY DATA</b>	<p><b>LD50:</b> Propan-2-ol 5,000 mg/kg oral, rat. 3,600 mg/kg oral, mouse.</p> <p><b>LDLo:</b> Propan-2-ol 3,570 mg/kg oral, human.</p> <p><b>TDLo:</b> Propan-2-ol 223 mg/kg oral, human - hallucinations, distorted perceptions, pulse rate decrease, fall in blood pressure.</p>

## 12. ECOLOGICAL INFORMATION

<b>ENVIRONMENT</b>	<p>Ecotoxicity: May be harmful to aquatic organisms. Persistence and degradability: No data.</p> <p>Mobility: Readily transported by water.</p> <p>Environmental Fate: No data.</p> <p>Bioaccumulative potential: No data.</p> <p>Other adverse environmental effects: No data.</p>
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## 13. DISPOSAL CONSIDERATION

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**WASTE DISPOSAL** The generator of any wastes from this product is responsible for its proper classification, transport and disposal. Consult appropriate local and State regulations.

Disposal methods and containers: Avoid disposal to natural waters or the environment. Special precautions for landfill or incineration: Not suitable for incineration. May not be suitable for some landfills.

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## 14. TRANSPORT INFORMATION

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<b>SHIPPING NAME:</b>	None Allocated				
<b>UN No.</b>	None Allocated	<b>DG CLASS</b>	None Allocated	<b>SUBSIDIARY RISK(S)</b>	None Allocated
<b>Pkg GROUP</b>	None Allocated	<b>HAZCHEM CODE</b>	None Allocated	<b>EPG</b>	None Allocated

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## 15. REGULATORY INFORMATION

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**POISON SCHEDULE** Not a scheduled poison, not a dangerous goods  
**AICS** Listed

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## 16. OTHER INFORMATION

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**ADDITIONAL INFORMATION:**

Additional Information

**EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES:** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**ABBREVIATIONS:**

ADB - Air-Dry Basis.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m<sup>3</sup> - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

TWA/ES - Time Weighted Average or Exposure Standard.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:** It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

This document has been compiled by the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS'). It is based on information concerning the product which has been provided to Ecowash Solutions obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

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