

# Material Safety Data Sheet

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Issue date: November 20005

## AQUA GUARD

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** AQUA GUARD

**Manufacturer's Product Code:** C156-CS

**Use:** Product used in the carpet cleaning industry.

**CHEM-DRYÆ AUSTRALIA**

**P B Mitchell Pty Ltd**

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### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC/NOHSC/EU CRITERIA

**Hazard Category:** None allocated

**Hazard Classification:** NON HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD

#### RISK PHRASES

None allocated

#### SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.

#### Road Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Poison Schedule:** None allocated [Aust]

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
DIPROPYLENE GLYCOL METHYL ETHER	< 1 %	34590-94-8
FLUOROACRYLATE CO-POLYMER EMULSION	1 - 5 %	Proprietary
WATER AND OTHER NON HAZARDOUS INGREDIENTS	Balance	Mixture

All ingredients not hazardous according to ASCC/NOHSC/EU Criteria.

### 4. FIRST AID MEASURES

#### Swallowed:

If swallowed, **DO NOT** induce vomiting. If conscious, give 1 to 2 glasses of water to drink. Seek immediate medical assistance.

#### Eye:

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open . If irritation persists transport to hospital or doctor.

#### Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport to hospital or doctor.

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### 4. FIRST AID MEASURES (Continued)

**Inhaled:**

Move victim to fresh air. Apply resuscitation if victim is not breathing.

**First Aid Facilities:**

Eye wash fountain, safety shower and normal wash room facilities.

**Advice to Doctor:**

Treat symptomatically.

**In case of poisoning, contact Poisons Information Centre**

**In Australia call Tel: 131126**

**In New Zealand Tel: 034747000**

### 5. FIRE-FIGHTING MEASURES

**Fire/Explosion Hazard**

If safe to do so, move undamaged containers from fire area.

**Suitable Extinguishing Media:** Use extinguishing media suitable for surrounding fire situation.

**Hazards From Combustion Products:** If involved in a fire, it can release small quantities of toxic and corrosive hydrogen fluoride and carbonyl fluoride fumes.

**Precautions for Fire Fighters and Special Protective Equipment:** Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

**HAZCHEM CODE:** None allocated [Aust]

**FLAMMABILITY**

This material is not a flammable or combustible liquid.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

Keep unnecessary people away; Isolate hazard area and deny entry. If product spills onto floors it will represent a slip hazard, walk cautiously. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS.

**Methods and Materials for Containment and Clean Up Procedures:**

Throw absorbent (diatomaceous earth or other inert material) on top of spill, **ALLOW TO ABSORB**, then shovel up or use wet dry vacuum system to pick up and seal in properly labeled containers for disposal.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

Store away from heat and direct sunlight. Avoid freezing the product. For further information please refer to the Engineering Controls of this MSDS.

**Conditions for Safe Storage:**

Keep containers tightly closed, when not using this product. If product freezes, gently thaw prior to use. Mild agitation (stirring) may be required. Store in original packages as approved by manufacturer\*.

\* For further information please contact your Local Chem-Dry representative.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Standards

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following component of the product:

#### **DIPROPYLENE GLYCOL METHYL ETHER**

[NOHSC]

[TWA] 50 ppm 308 mg/m<sup>3</sup>

Notices: Sk

References: H

#### Sk Notation:

For most substances in the occupational setting, the main route of entry into the body is via inhalation. However, dipropylene glycol methyl ether can readily penetrate the intact skin and thus become absorbed into the body, with resultant toxic effects.

#### Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.

#### Personal Protection Equipment

**GLOVES:** Not normally required, however, if handling large quantities or if the skin is likely to be exposed to this product over prolonged periods, then the use of nitrile rubber is recommended.

**EYES:** Chemical goggles or spectacles with side shields to protect eyes.

**RESPIRATORY PROTECTION:** Not normally required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Milky white liquid with a glycol odour.
<b>Boiling Point:</b>	100°C
<b>Melting Point:</b>	Not available.
<b>Vapour Pressure:</b>	Not available.
<b>Specific Gravity:</b>	1.08
<b>Flash Point:</b>	Not applicable.
<b>Flammability Limits:</b>	Not applicable.
<b>Solubility in Water:</b>	Dispersable.

#### Other Properties

**pH:** 5.5 - 6.0 (concentrate)

### 10. STABILITY AND REACTIVITY

#### CHEMICAL STABILITY:

Stable under normal conditions of use.

#### CONDITIONS TO AVOID:

Avoid contact with sustained heat and mixing with incompatibles.

#### INCOMPATIBLE MATERIALS:

Oxidizing agents and alkalis (caustics).

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### 10. STABILITY AND REACTIVITY (Continued)

#### **HAZARDOUS DECOMPOSITION PRODUCTS:**

If involved in a fire, it can release small quantities of toxic and corrosive hydrogen fluoride and carbonyl fluoride fumes.

#### **HAZARDOUS REACTIONS:**

Will not occur.

### 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

#### **ACUTE HEALTH EFFECTS:**

##### **Swallowed:**

Swallowing large quantities may cause irritation, which may lead to nausea, vomiting and diarrhoea.

##### **Eye:**

May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision. These effects are anticipated to be of a transient (short acting) nature and no long term injury is envisaged.

##### **Skin:**

May cause irritation to the skin, with effects including; Redness and itchiness.

##### **Inhaled:**

May cause irritation to the mouth, throat and upper respiratory system. However, this is only anticipated to occur if the product is heated or converted into a mist (aerosol).

##### **Chronic:**

Prolonged or repeated skin exposure may cause dermatitis in some susceptible individuals.

#### **Dipropylene glycol monomethyl ether:**

Oral LD50(rat): 5,700 mg/kg

Dermal LD50(rabbit): 9,500 mg/kg

There have been numerous studies conducted with dipropylene glycol monomethyl ether and there is no evidence to suggest carcinogenicity, mutagenicity and/or toxic effects to reproduction (fertility or development). There is conflicting evidence that dipropylene glycol monomethyl ether will cause skin sensitisation.

### 12. ECOLOGICAL INFORMATION

The following information ecotoxicological is available for the ingredient:

#### **Dipropylene glycol monomethyl ether:**

Acute LC50 (Fathead minnow): > 10,000 mg/L

Acute LC50(Water flea): 1,919 mg/L

Acute LC50 (Brown shrimp): > 1,000 mg/L

Based upon this information dipropylene glycol monomethyl ether is not considered to be an environmental hazard. However, large quantities should not be discharged to drains, sewers or waterways.

### 13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

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### 14. TRANSPORT INFORMATION

#### Road Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Label:** None allocated

#### Air Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Label:** None allocated

#### Sea Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Label:** None allocated

### 15. REGULATORY INFORMATION

**Poison Schedule:** None allocated [Aust]

#### Inventory Status:

<i>Inventory</i>	<i>Status</i>
Australia (AICS)	Y
United States (TSCA)	Y
Europe (EINECS/ELINCS)	Y

Y = all ingredients are on the inventory.

### 16. OTHER INFORMATION

#### Date of Preparation:

**Issue date:** September 28, 2005

**Supersedes:** 25 December, 2001

#### Reasons for Update:

1. Alignment with the 2<sup>nd</sup> Edition of National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2001(2003)].
2. Changes and /or addition made to all sections.

#### Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

ASCC - Australian Safety and Compensation Council [Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997) [Aust]

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

TSCA - Toxic Substances Control Act [US]

OSHA - Occupational Safety and Health Administration [US]

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### 16. OTHER INFORMATION (Continued)

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 - Respiratory protective devices. [Aust/NZ]

Hazchem Code - Fire fighters designation [Aust]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EINECS - European Inventory of Existing Commercial Chemical Substances. [Int]

ELINCS - European List of Notified Chemical Substances. [Int]

EU - European Union [Int]

**EU Directives:** The classification criteria used, are adopted from the European Community's (EC) legislation for classifying dangerous substances. The criteria are taken from:

EC Council Directive 67/548/EEC

EC Council Directive 1999/45/EC

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

#### **Principal References:**

Information supplied by manufacturer, reference sources including the public domain.

#### **Disclaimer**

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used. Responsibilities of the supplier associated with this product are outlined in our standard terms and conditions, a copy of which is sent to customers and is available on request.

**END OF MSDS**