

# Material Safety Data Sheet

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Issue date: November 2005

## MILGO SR

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** MILGO SR

**Manufacturer's Product Code:** C020-SR

**Use:** Carpet cleaning product.

**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

S7 Keep container tightly closed.

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
GLUTARALDEHYDE (Below Cutoff)	< 0.4 %	111-30-8
ISOPROPANOL (Below Cutoff)	1 to < 10 %	67-63-0
WATER	Balance	7732-18-5

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

### 4. FIRST AID MEASURES

#### Swallowed:

If swallowed, **DO NOT** induce vomiting. If conscious, wash mouth out with water and 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.

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### 4. FIRST AID MEASURES (Continued)

**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.

**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:** Decomposes on heating emitting oxides of carbon and noxious smoke.

**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. 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:**

Dike area using with an absorbent such as diatomaceous earth - to prevent run off into drains and waterways. Throw further absorbent (diatomaceous earth or other inert material) on top of spill, **ALLOW TO ABSORB**, then shovel up and seal in properly labeled containers for disposal.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

Store away from oxidizing agents. 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. Store in a cool place and out of direct sunlight. 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 components of the product:

#### **GLUTARALDEHYDE (Below Cutoff)**

[NOHSC]

[TWA]0.1 ppm 0.41 mg/m<sup>3</sup>

[STEL]Peak limitation

**Notices:** Sen

**References:** Amended

#### **Peak Limitation:**

For some rapidly acting substances and irritants, the averaging of the airborne concentration over an 8 hr period is inappropriate. These substances may induce acute effects after relatively brief exposure to high concentrations and so the exposure standard for these substances represents a maximum or peak concentration to which workers may be exposed.

#### **Sen Notation:**

Some substances such as Glutaraldehyde can cause a specific immune response in some people. Such substances are called sensitizers and the development of a specific immune response is termed 'sensitisation'. Exposure to a sensitizer, once sensitisation has occurred, may be triggered by extremely low concentrations of that sensitizer and the reaction to those susceptible individuals may be extreme.

#### **ISOPROPANOL (Below Cutoff)**

[NOHSC]

[TWA]400 ppm 983 mg/m<sup>3</sup>

[STEL]500 ppm 1,230 mg/m<sup>3</sup>

**References:** H;R

#### **Engineering Controls**

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

#### **Personal Protection Equipment**

**GLOVES:** The use of nitrile is recommended.

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

**RESPIRATORY PROTECTION:** Avoid breathing of mists or vapours. Select and use respirators in accordance with AS/NZS 1715/1716. The use of a half-face respirator fitted with an organic vapour cartridge is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Light green liquid with a lemon odour.
<b>Boiling Point:</b>	100°C
<b>Vapour Pressure:</b>	Not available.
<b>Specific Gravity:</b>	1.00
<b>Flash Point:</b>	Not applicable, water content interferes with flash point.
<b>Flammability Limits:</b>	Not applicable.
<b>Solubility in Water:</b>	Completely soluble.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES (Continued)

#### Other Properties

**pH:** 7.0 - 7.5

### 10. STABILITY AND REACTIVITY

#### CHEMICAL STABILITY:

Stable under normal conditions of use.

#### CONDITIONS TO AVOID:

Elevated temperatures and mixing with incompatibles.

#### INCOMPATIBLE MATERIALS:

Strong mineral acids (sulfuric, nitric and hydrochloric), and oxidizing agents.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on heating emitting oxides of carbon and noxious smoke.

#### 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:

May cause irritation to mouth, throat and stomach with effects including pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

##### Eye:

May cause mild irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

##### Skin:

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

##### Inhaled:

Mists from the product may cause irritation to the respiratory system.

##### Chronic:

Prolonged or repeated skin contact may lead to dermatitis.

#### Glutaraldehyde:

Inhalation LC50(Rat): 480 mg/m<sup>3</sup>/4H

Oral LD50(Rat): 134 mg/kg

Glutaraldehyde has shown to be a skin and inhalation sensitizer, it is considered to be corrosive to the eyes and skin utilizing the OECD Guideline for the Testing of Chemicals (OECD 404 & 405) (skin and eye corrosivity tests) and the Draize eye and skin methodologies.

Laboratory studies have shown that glutaraldehyde is not teratogenic and several studies have shown the material not to be a mutagen. Histopathological findings in the 24-month sacrifice of a combined oncogenicity/chronic toxicity study in Fischer 344 rats given glutaraldehyde in drinking water (50,250 and 1000 ppm) showed an increase in the incidence of the spontaneously occurring large granular cell lymphocytic leukemia (LGL) at all dosages compared with the controls only for the female rats. Male rats had the same incidence in controls and at all levels of exposures.

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### 11. TOXICOLOGICAL INFORMATION (Continued)

However, at the concentrations present in this product, these effects are not anticipated to cause adverse effects.

#### **Isopropanol:**

Inhalation LC50(rat): 16,000 ppm/8H

Oral LD50(rat): 5,045 mg/kg

### 12. ECOLOGICAL INFORMATION

The following information is available for the **Isopropanol** component of this product:

Acute Aquatic Toxicity (96 hr.) (Fathead minnow): 1,000 mg/L

Acute Aquatic Toxicity (48 hr.) (Golden orfe): 8,970 mg/L

Acute Aquatic Toxicity (24 hr.) (Goldfish): >5,000 mg/L

Avoid contaminating drains, sewers or waterways.

### 13. DISPOSAL CONSIDERATIONS

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

### 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.

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### 16. OTHER INFORMATION

**Date of Preparation:**

**Issue date:** October 13, 2005

**Supersedes:** September 5, 2005 & December 25, 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]

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**