

# Material Safety Data Sheet

Page 1 of 6

Issue date: June 2010

## PROFESSIONAL STRENGTH SPOT REMOVER, AEROSOL

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** PROFESSIONAL STRENGTH SPOT REMOVER, AEROSOL

**Manufacturer's Product Code:** C190-PF24

**Use:** Spot remover for carpet cleaning.

**CHEM-DRY AUSTRALIA**

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**MULGRAVE NSW 2756**

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### 2. HAZARDS IDENTIFICATION

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

**Hazard Category:** Highly Flammable (F)

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

#### RISK PHRASES

R11 Highly flammable

#### SAFETY PHRASES

S9 Keep container in a well ventilated place.

S16 Keep away from sources of ignition - No smoking.

S33 Take precautionary measures against static discharge.

#### Road Transport (ADR/RID)

**UN Number:** 1950

**Proper Shipping Name:** AEROSOLS

**Dangerous Goods Class:** 2.1

**Packing Group:** None allocated

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

#### Warning Statement:

Contents under pressure. Highly flammable. Keep away from sources of ignition, heat and naked flames.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
1-METHOXY-2-PROPANOL	1 to 5 %	107-98-2
DIPROPYLENE GLYCOL METHYL ETHER	1 to 5 %	34590-94-8
ALKYL ARYL RESIN AMMONIUM SALT	1 to 5 %	52720-34-0
DIMETHYL ETHER	10 to 30 %	115-10-6
WATER	60 to 100 %	7732-18-5

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

# Material Safety Data Sheet

Page 2 of 6

Issue date: June 2010

## PROFESSIONAL STRENGTH SPOT REMOVER, AEROSOL

### 4. FIRST AID MEASURES

**Swallowed:**

Not a likely source of exposure. Product is a gas.

**Eye:**

If contents of cylinder are vented directly into the eyes then blindness may occur due to freeze burns. Keep victim calm and warm. In case of freeze burns **URGENTLY** transport to hospital or doctor. In normal use situations, however, if material is splashed or lightly sprayed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.

**Skin:**

Remove contaminated clothing and shoes immediately - Clothing frozen to the skin should be thawed before being removed - In case of frostbite, thaw with lukewarm water. Immediately transport to hospital or doctor.

**Inhaled:**

Remove victim to fresh air - Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult.

**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. If involved in a fire cans may explode if subjected to heat greater than 50 - 54°C.

**SUITABLE EXTINGUISHING MEDIA:** Use Water fog, dry chemical, CO2 or foam to extinguish burning gas if safe to do so. DO NOT USE WATER JETS.

**HAZARDS FROM COMBUSTION PRODUCTS:** Decomposes on heating emitting oxides of carbon, oxides of nitrogen and small quantities of 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. Cool container by directing flooding quantities of water onto upper surface until well after fire is out - **DO** not direct water at source of leak or venting safety devices as icing may occur, which could then cause a pressure build up and consequently an explosion could result. Damaged containers should only be handled following expert advice.

**HAZCHEM CODE:** 2[Y]E [Aust]

**FLAMMABILITY**

Highly flammable gas. Avoid all sources of ignition, heat and naked flames. Contents under pressure.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

**Caution!** Highly Flammable. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contents are under pressure. Assess situation, if safe, remove leaking aerosol container to well ventilated area (outside, away from people and buildings).

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

Isolate area until gas has dispersed. If possible, turn leaking containers so that gas escapes rather than liquid. If fire risk is possible, use water spray to reduce vapors or divert vapor cloud drift. Do not direct water at spill or source of leak.

# Material Safety Data Sheet

Page 3 of 6

Issue date: June 2010

## PROFESSIONAL STRENGTH SPOT REMOVER, AEROSOL

### 6. ACCIDENTAL RELEASE MEASURES (Continued)

#### Emergency information(Transport):

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2004)  
For **AEROSOL DISPENSERS** Guide No: 49

### 7. HANDLING AND STORAGE

#### Precautions for Safe Handling:

Keep aerosol containers in a cool, dry place away from direct sunlight. Store away from oxidizing agents. Store away from sources of heat, ignition, sparks, flames or electrical discharges. Do not store above 50°C. Do not get liquid or mist in eyes. Provide adequate ventilation.

#### Conditions for Safe Storage:

**CONTENTS UNDER PRESSURE.** For further information please refer to the Engineering Controls of this MSDS. Store in original packages as approved by manufacturer\*.

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

### 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:

#### *1-METHOXY-2-PROPANOL*

[NOHSC]

[TWA] 100 ppm            369 mg/m<sup>3</sup>

[STEL] 150 ppm           553 mg/m<sup>3</sup>

References: H;R

#### *DIPROPYLENE GLYCOL METHYL ETHER*

[NOHSC]

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

Notices: Sk

References: H

#### Sk Notation:

The main route of most hazardous substances into the body is via inhalation, however, certain substances can readily penetrate the skin, with resultant toxic effects. The notice 'Sk' indicates that absorption can occur through the skin.

#### Engineering Controls

Absolutely no smoking or other sources of ignition. Maintain adequate ventilation. The use of natural ventilation systems are adequate unless the gas is being used in a process, then the use of a local exhaust ventilation system is recommended.

#### Personal Protection Equipment

**GLOVES:** Normal use no gloves required, if ruptured, use of thermally insulated gloves recommended.

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

**RESPIRATORY PROTECTION:** Avoid breathing of vapours/mists or aerosols. Select and use respirators in accordance with AS/NZS 1715. The use of a respirator is not normally required.

# Material Safety Data Sheet

Page 4 of 6

Issue date: June 2010

## PROFESSIONAL STRENGTH SPOT REMOVER, AEROSOL

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Light amber with slight odour.
<b>Boiling Point:</b>	> 37.8°C
<b>Vapour Pressure:</b>	Not available.
<b>Specific Gravity:</b>	1.0
<b>Flash Point:</b>	> 100°C (Product), < - 30°C (Propellant)
<b>Flammability Limits:</b>	Not available.
<b>Solubility in Water:</b>	Soluble.

#### Other Properties

<b>pH:</b>	7 - 8
<b>% Volatiles:</b>	97 %

### 10. STABILITY AND REACTIVITY

#### CHEMICAL STABILITY:

Stable under normal conditions of use.

#### CONDITIONS TO AVOID:

Ignition sources and mixing with incompatibles.

#### INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on heating emitting oxides of carbon, oxides of nitrogen 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:

If product, is sprayed directly into the mouth, the effects will be due to possible freeze burns. However, in normal use circumstances, the product may cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

##### Eye:

Spraying of product, directly, into the eyes will cause severe irritation and possible freeze burns. In normal use circumstances, however, the product may cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

##### Skin:

Spraying of product, directly, onto the skin, over a prolonged period, may cause freeze burns. In normal use, the product may cause mild irritation to the skin, with effects including: Redness and itchiness.

##### Inhaled:

Exposure to low concentrations of vapour, may cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination.

##### Chronic:

Prolonged or repeated skin contact may lead to skin rashes in some susceptible individuals. Prolonged inhalation exposure of high concentrations may cause cough, tremors, convulsions, possible loss of consciousness, coma or death.

# Material Safety Data Sheet

Page 5 of 6

Issue date: June 2010

## PROFESSIONAL STRENGTH SPOT REMOVER, AEROSOL

### 11. TOXICOLOGICAL INFORMATION (Continued)

The following toxicological information is available for this product:

#### **Professional Strength Spot Remover, Aerosol:**

Oral LD50(rat): > 5,000 mg/kg

### 12. ECOLOGICAL INFORMATION

There is no ecotoxicological information available for this product, however, for the ingredient:

#### **Alkyl Aryl Resin Ammonium Salt:**

EC50(Daphnia magna): 73.59 - 1,990 mg/L 24Hr

Avoid contaminating drains, waterways and sewers.

### 13. DISPOSAL CONSIDERATIONS

Seek expert advice in all cases dealing with leaking or suspicious cylinders. Remove all unnecessary personnel from the area. If safe to do so, move container to safe area and stand up right. Turn valve on slowly, leave area. Call manufacturer or specialised gas cylinder reconditioner for removal and or disposal.

### 14. TRANSPORT INFORMATION

#### **Road Transport (ADR/RID)**

**UN Number:** 1950

**Proper Shipping Name:** AEROSOLS

**Dangerous Goods Class:** 2.2

**Packing Group:** None allocated

#### **Air Transport (ICAO/IATA)**

**UN Number:** 1950

**Proper Shipping Name:** AEROSOLS

**Dangerous Goods Class:** 2.2

**Packing Group:** None allocated

#### **Sea Transport (IMDG)**

**UN Number:** 1950

**Proper Shipping Name:** AEROSOLS

**Dangerous Goods Class:** 2.2

**Packing Group:** 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.

**EU Label:** Highly flammable (F)

# Material Safety Data Sheet

Page 6 of 6

Issue date: June 2010

## PROFESSIONAL STRENGTH SPOT REMOVER, AEROSOL

### 16. OTHER INFORMATION

**Date of Preparation:**

**Issue date:** June 10, 2010

**Supersedes:** November 11, 2005

**Reasons for Update:**

1. MSDS out of date, and made compliant 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 HB76:2004) [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]

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]

ADR/RID - European Road & Rail Transport 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.

**END OF MSDS**