

Material Safety Data Sheet

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Issue date: November 2005

STAIN EXTINGUISHER - AEROSOL

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: STAIN EXTINGUISHER- AEROSOL

Manufacturer's Product Code: C190, C190-AUS, C190-UK, C190-MEX, C196

Use: Speciality carpet cleaning product.

CHEM-DRYÆ AUSTRALIA

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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 GOOD

RISK PHRASES

R11 Highly flammable

SAFETY PHRASES

S9 Keep container in a well ventilated place.

S16 Keep away from sources of ignition - No smoking.

S24/25 Avoid contact with skin and eyes.

S33 Take precautionary measures against static discharge.

Road Transport

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. 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 MONOMETHYL ETHER	1 to 5 %	34590-94-8
ALKYL ARYL RESIN AMMONIUM SALT	1 to 10 %	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.

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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.

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6. ACCIDENTAL RELEASE MEASURES (Continued)

Emergency information(Transport):

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

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

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/m³

[STEL]150 ppm 553 mg/m³

References: H;R

DIPROPYLENE GLYCOL MONOMETHYL ETHER

[NOHSC]

[TWA] 50 ppm 308 mg/m³

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: Butyl rubber or nitrile rubber.

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

RESPIRATORY PROTECTION: Avoid breathing of vapours/mists. Filter capacity and respirator type depends on exposure levels and type of contaminant. Select and use respirators in accordance with AS/NZS 1715/1716. When mists/vapours exceed the exposure standards then the use of a half-face respirator fitted with an organic vapour cartridge is recommended. If entering confined spaces or if unknown levels of contaminate are a potentiality, 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light amber coloured liquid with a slight solvent odour.
Boiling Point:	> 38°C
Vapour Pressure:	Not available.
Specific Gravity:	1.0
Flash Point:	< -30°C (Propellant)
Flammability Limits:	Not available.
Solubility in Water:	Soluble.

Other Properties

Volatiles: 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.

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11. TOXICOLOGICAL INFORMATION (Continued)

The following toxicological information is available for this product:

1-Methoxy-2-Propanol:

Oral LD50(rat): 5.4 mL/kg

Dermal LD50(rabbit): > 20 mL/kg

Dipropylene glycol monomethyl ether:

Oral LD50(rat): 5,660 mg/kg

Inhalation LC50(rat): 10,000 ppm/5 hr

Dermal LD50(rabbit): 13,000 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 also no indication that dipropylene glycol monomethyl ether will cause eye, skin irritation or sensitisation.

Dimethyl Ether:

Inhalation LC50(rat): 164,000 ppm/4H

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

UN Number: 1950

Proper Shipping Name: AEROSOLS

Dangerous Goods Class: 2.1

Packing Group: None allocated

Label: Highly Flammable (F)

Air Transport

UN Number: 1950

Proper Shipping Name: AEROSOLS

Dangerous Goods Class: 2.1

Packing Group: None allocated

Label: Highly Flammable (F)

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14. TRANSPORT INFORMATION (Continued)

Sea Transport

UN Number: 1950

Proper Shipping Name: AEROSOLS

Dangerous Goods Class: 2.1

Packing Group: None allocated

Label: Highly Flammable (F)

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: November 10, 2005

Supersedes: December 25, 2001

Reasons for Update:

1. Alignment with the 2nd 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]

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16. OTHER INFORMATION (Continued)

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