

Material Safety Data Sheet

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Issue date: November 2005

FABRIC PROTECTOR AEROSOL

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: FABRIC PROTECTOR AEROSOL

Manufacturer's Product Code: C250-12

Use: Fabric protector.

CHEM-DRYÆ AUSTRALIA

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2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO ASCC/NOHSC/EU CRITERIA

Hazard Category: Harmful (Xn), Highly Flammable (F)

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOOD

RISK PHRASES

R11 Highly flammable

R65 Harmful: May cause lung damage if swallowed.

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.

S62 If swallowed, do not induce vomiting; Seek medical advice immediately and show this container or label.

Road Transport

UN Number: 1950

Proper Shipping Name: AEROSOLS

Dangerous Goods Class: 2.1

Packing Group: None allocated

Poison Schedule: S5 [Aust]

This material is a Scheduled S5 Poison and must be stored, handled and used according to the appropriate regulations.

Warning Statement:

Contents under pressure. Keep away from sources of ignition, heat and naked flames. Avoid swallowing liquid, as liquid may be vomited and may be aspirated into lungs leading, to chemical pneumonitis.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
SYNTHETIC ISOPARAFFINIC HYDROCARBON	60 to 100 %	64742-48-9
PETROLEUM DISTILLATES	1 to 5 %	8052-41-3
BUTYL ACETATE	1 to 5 %	123-86-4
DIMETHYL ETHER	10 to 30 %	115-10-6

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. However, if the product, is deliberately concentrated and swallowed, then it is considered to be harmful and if vomited may be aspirated into the lungs leading to chemical pneumonitis. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Seek urgent medical assistance.

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 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 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: 3[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).

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6. ACCIDENTAL RELEASE MEASURES (Continued)

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. Prevent entry into waterways, sewers, basements or confined areas.

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:

SYNTHETIC ISOPARAFFINIC HYDROCARBON

[NOHSC]

[TWA]300 ppm

PETROLEUM DISTILLATES

[NOHSC]

[TWA]790 mg/m³

References: R

BUTYL ACETATE

[NOHSC]

[TWA]150 ppm 713 mg/m³

[STEL]200 ppm 950 mg/m³

References: H

Engineering Controls

Absolutely no smoking or other sources of ignition. Maintain adequate ventilation. The use of natural ventilation systems are adequate.

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 1715/1716. The use of a respirator is not normally required.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colourless liquid with a hydrocarbon odour.
Boiling Point:	> 125°C
Vapour Pressure:	> 646.45 mmHg @ 25°C
Specific Gravity:	0.80 @ 20°C
Flash Point:	46.7°C (Product), < -30°C (Propellant)
Flammability Limits:	Not available.
Solubility in Water:	Insoluble.

Other Properties

Volatiles:	95 %
Vapour Density:	4.8
Evaporation Rate:	0.17 %

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 and small quantities of 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:

Harmful if swallowed. Vomiting, may cause this product to be aspirated into the lungs, which may lead to chemical pneumonitis.

Eye:

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

Skin:

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

Inhaled:

Mists from the product may cause irritation to the nose, throat and respiratory system with effects including: Cough, discomfort, difficulty breathing and shortness of breath.

Chronic:

Prolonged or repeated skin contact may lead to dermatitis. Prolonged or repeated exposure or deliberately concentrating and inhaling the vapour may result in lung function incapacity or death.

There is no toxicological information available for this product, however, for the ingredients:

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11. TOXICOLOGICAL INFORMATION (Continued)

Synthetic isoparaffinic hydrocarbon:

Oral LD50(rat): > 10,000 mg/kg
Dermal LD50(rabbit): > 3,000 mg/kg
Inhalation LC50(rat): > 975 ppm

Petroleum distillates:

Oral LD50(Rat): > 5,000 mg/Kg
Immediate Lethal Dosage: 20,000 mg/kg

Butyl acetate:

Oral LD50(rat): 10,768 mg/kg

12. ECOLOGICAL INFORMATION

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

Synthetic isoparaffinic hydrocarbon:

Acute Aquatic Toxicity (96 hr.): No Observed Effect
Chaetogammarus marinus: 100 mg/L

If spilled into drains, sewers or waterways, it should be treated as an oil spill.

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: Harmful (Xn), Highly Flammable (F)

Air Transport

UN Number: 1950

Proper Shipping Name: AEROSOLS

Dangerous Goods Class: 2.1

Packing Group: None allocated

Label: Harmful (Xn), Highly Flammable (F)

Sea Transport

UN Number: 1950

Proper Shipping Name: AEROSOLS

Dangerous Goods Class: 2.1

Packing Group: None allocated

Label: Harmful (Xn), Highly Flammable (F)

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15. REGULATORY INFORMATION

Poison Schedule: S5 [Aust]

This material is a Scheduled S5 Poison and must be stored, handled and used according to the appropriate regulations.

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: March 25, 2003

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