

MATERIAL SAFETY DATA SHEET

CHAINDRITE2 Metered Insect Spray

Section 1: Identification of the Product and Company

Product name:	CHAINDRITE 2 Metered Insect Spray
Other names:	Natural Pyrethrum metered insecticide
Pack size(s)	150gram
Use:	Metered insecticide to suit 'Timemist' and 'Bobson' automatic dispensers.
Company name & Contact details	Sherwood Chemicals Australasia Pty Ltd Address: Level 3, 1060 Hay Street, WEST PERTH 6005 AUSTRALIA Tel: +61 8 9219 4683 Fax: +61 8 9219 4672 Web: www.sherwoodchemicals.com.au Emergency Telephone number: All hours +61 421 667972
Other information:	All reasonable care has been taken to ensure the information and advice contained in this data sheet is accurate at the time of printing. However, Sherwood Chemicals accepts no liability for any loss or damages suffered as a consequence of reliance upon the information contained herein.

Section 2: Hazards Identification

Hazard classification:	This product is classified as hazardous under ASCC criteria. This product is classified as a Dangerous Good by the Australian Dangerous Goods Code.
Hazards	This product is classified as hazardous under NOHSC criteria. This product is classified as a Dangerous Good by the Australian Dangerous Goods Code . F: Flammable Xn: Harmful
Risk Phrases	R12 Extremely flammable.
Safety Phrases	S2 Keep out of reach of children S16 Keep away from sources of ignition - No smoking.. S47 Keep at temperature not exceeding 50 °C S23 Do not breathe spray S24 Avoid contact with skin S25 Avoid contact with eyes S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately. S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container

For further health and safety information please refer to the full MSDS.

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Section 3: Composition / Information on Ingredients

Chemical entity	CAS N°	Proportion
Piperonyl Butoxide	51-03-6	6%
Pyrethrum	8003-34-7	1.4%
Ethanol	64-17-5	35 - 45%
Hydrocarbon propellant- LPG	68476-85-7	40 - 60%

Section 4: First Aid Measures

FIRST AID:

For advice, contact a Poisons Information Centre, Phone Australia 13 1126; New Zealand 0800 764 766, or a doctor at once.

Keep victim warm and quiet- Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of the product involved, and take precautions to protect themselves.

Inhalation: Do not breathe vapour. Remove victim to fresh air – apply resuscitation if victim is not breathing. Do not use direct mouth to mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device- Administer oxygen if breathing is difficult.

Skin: If skin or hair contact occurs, remove contaminated clothing and shoes immediately and flush skin and hair immediately with running water at room temperature for 15 minutes. For minor skin contact, avoid spreading material on unaffected skin.

Eye: If in eyes wash out immediately with water for 15 minutes. Obtain medical care.

Ingestion: Due to high volatility of product, this is not likely to occur. If sprayed in mouth, rinse mouth with water. If swallowed, do NOT induce vomiting. Obtain medical care.

ADVICE TO DOCTOR -

Treat symptomatically.

For chronic or short term repeated exposures to pyrethrum and synthetic pyrethroids:

- Mammalian toxicity of pyrethrum and synthetic pyrethroids is low, in part because of poor bioavailability and a large first pass extraction by the liver.
- The most common adverse reaction results from the potent sensitising effects of pyrethrins.
- Clinical manifestations of exposure include contact dermatitis (erythema, vesiculation, bullae); anaphylactoid reactions (pallor, tachycardia, diaphoresis) and asthma. [Ellenhorn Barceloux]

In cases of skin contact, it has been reported that topical application of Vitamin E Acetate (alphatocopherol acetate) has been found to have high therapeutic value, eliminating almost all skin pain associated with exposure to synthetic pyrethroids. [Incitec].

Section 5: Fire Fighting Measures

Fire/Explosion Hazard:

Suitable Extinguishing Media	Small fire: Use water spray, dry chemical or carbon dioxide. Large fire: Use water spray or fog. Fight fire from protected position or use unmanned hose holders or monitor nozzles. If safe to do so, move undamaged containers from fire area. Do not approach hot containers. Cool containers with water before handling. If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.
Hazards	Heat or damage to containers can release flammable / poisonous gases. Extremely flammable. Pressurised dispenser. Closed containers may rupture when exposed to heat greater than 50 C. Ruptured containers will rocket. Released gases can form explosive mixtures with air. Hazardous concentrations can accumulate in a confined space. Released gases can travel to source of ignition and flash back. Fire can produce irritating, poisonous and corrosive gases. Propellant is extremely flammable and heavier than air.
Precautions / PPE	High concentration of gas could cause dizziness or asphyxiation without warning. Released gases are harmful. Wear SCBA and protective gloves. If large amounts are involved, wear SCBA and chemical splash suit.
HAZCHEM Code	2YE (ADG7)

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Section 6: Accidental Release Measures

Emergency Procedures	Immediately contact police or fire brigade. Spills from an aerosol are unlikely. Leak area should be isolated immediately for at least 8 m in all directions. Eliminate all sources of ignition within at least 15 m. Keep unauthorised personnel away. Keep upwind and to higher ground. When a large quantity is involved in a fire, consider initial evacuation for at least 100 m in all directions. Send message to police and fire brigade. Tell them the location, material, UN Number, quantity and emergency contact as well as damage observed.
Containment / Clean up Procedures	Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 15 m. All equipment used when handling the product must be earthed. If water is available, spray leaking containers to reduce ignition hazard and disperse gas. Isolate area until gas has dispersed. Ventilate area. Avoid release to the environment. Do not empty into drains. Absorb in inert absorbent material for disposal by an approved method and / or local regulations.

Section 7: Handling and Storage

Precautions for Safe Handling	Extremely flammable- Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
Storage:	Spray in a well ventilated area. Do not breathe vapour. Local exhaust ventilation may be necessary to minimise excessive vapour concentration, if levels are likely to be high or in a confined space. Avoid static charge and discharge with high concentrations and in confined space. Keep out of reach of children. Store in a well ventilated area. Pressurised dispenser. Protect from sunlight and do not expose to temperatures exceeding 50 C. Do not pierce or burn this can, even when empty. Store away from corrosive products. Store in accordance with Dangerous Goods Regulations and transport in accordance with the ADG Code for Dangerous Goods Class 2.1
Other information:	Nil

Section 8: Exposure Controls and Personal Protection

National Exposure Standards	There is no established TLV for this product. Avoid exposure – obtain special instructions before use. TWA for Butane is 800ppm Propane is an asphyxiant
Engineering Controls	Local exhaust ventilation is recommended when vapours can be released in excess of established airborne exposure limits.
Respiratory Protection	No respiratory protection is required. Do not inhale spray.
Eye Protection	Wear safety glasses and protective gloves. Wear respirator complying with AS1715 and AS1716 if concentration levels are high.

Section 9: Physical and Chemical Properties

Appearance	Aerosol
Odour	Perfume scent
pH	Not applicable
Vapour Pressure	50-60 psi
Percentage Volatiles	98%
Boiling / Melting Point	Not applicable
Solubility	Immiscible
Flash Point	Not established
Flammable limits	No information available
Flammability	Highly flammable aerosol. Do not spray uninterrupted for more than 10 seconds in confined spaces. Keep away from naked flames.

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Section 10: Chemical Stability and Reactivity Information

Chemical stability:	Stable under normal ambient conditions of storage and use. Avoid heat sources.
Conditions to avoid:	Heat, flames and sparks. Avoid static charge and discharge with high concentrations and in confined space. Avoid damp conditions.
Incompatible Materials / Hazardous Reactions	Can react violently with oxidising agents – chlorine, pool chlorine or nitric acid.
Hazardous Decomposition Products	Not available.

Section 11: Toxicology Information

Potential adverse health effects and symptoms associated with exposure to the material	<p>Vapours may cause drowsiness and dizziness.</p> <p>Swallowed: Unlikely due to high volatility of product, but is harmful, may cause lung damage if swallowed</p> <p>Eyes: Liquid will cause severe damage, vapour may irritate.</p> <p>Skin: May cause cold burn. Irritating to skin.</p> <p>Inhaled: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. May cause light-headedness, dizziness and drowsiness. Excessive exposure may cause unconsciousness or even death, due to asphyxiation.</p>
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Section 12: Ecological Information

Ecotoxicity / Persistence Degradability / Mobility	<p>Propellant will vapourise rapidly when released to atmosphere.</p> <p>Propellant consists of hydrocarbons that photo chemically decompose under atmospheric conditions.</p>
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Section 13: Disposal Considerations

Disposal methods and Containers	<p>Do not puncture or incinerate can even when empty.</p> <p>Dispose according to applicable local and state government regulations.</p>
Special precautions for landfill or incineration	<p>Please consult your state Land Waste Management Authority for more information</p>

Section 14: Transport Information

UN Number	1950 – flammable gas
Proper Shipping Name	Aerosols
Emergency Procedure Guide	2D1
Class and subsidiary risk(s)	2.1
Packaging Group	Not applicable
Hazchem	2Y

Section 15: Regulatory Information

Poison Schedule	None
APVMA Registration No:	69129/150g/0813

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Section 16: Other Information

Sherwood Chemicals Australasia Pty Ltd

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END OF MSDS