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Description: Mortein Barrier Outdoor Surface Spray Aerosol

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PSDS

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1. PRODUCT and COMPANY IDENTIFICATION

Product Name Mortein Barrier Outdoor Surface Spray Aerosol

Other Names None

Product Code(s) 0267448 350g

Recommended Use Domestic insecticide spray.

Supplier

AUSTRALIA

COMPANY: Reckitt Benckiser (Australia) Pty Limited

ABN: 17 003 274 655

ADDRESS: 44 Wharf Road
West Ryde NSW 2114

TELEPHONE: (02) 9857 2000

AFTER HOURS EMERGENCY TELEPHONE

(5pm to 8am EST Australia): (02) 9857 2444

NEW ZEALAND

COMPANY: Reckitt Benckiser (New Zealand) Limited

ADDRESS: Lincoln Manor
289 Lincoln Road
Henderson Auckland 1231

TELEPHONE: (09) 839 0200

Poisons Centre Information

AUSTRALIA 13 1126

NEW ZEALAND 0800 764 766 or 0800 POISON

2. HAZARD(S) IDENTIFICATION

NON-HAZARDOUS ACCORDING TO NOHSC CRITERIA

DANGEROUS GOODS ACCORDING TO ADG CODE (See Section 14)

RISK PHRASE(S) (See Section 15) R12 Extremely flammable.
R50/53 Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

SAFETY PHRASE(S) S2 Keep out of the reach of children.
S16 Keep away from sources of ignition - No smoking.
S51 Use only in well-ventilated areas.
S29 Do not empty into drains.
S35 This material and its container must be disposed of in a safe way.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Proportion (%w/w)
Hydrocarbon propellant ¹	106-97-8 / 74-98-6	30 - 60
Hydrocarbon solvent	64771-72-8	<10
Deltamethrin	52918-63-5	<0.1 (0.6g/Kg)
Imiprothrin	72963-72-5	<0.1 (0.3g/Kg)
Butylated hydroxy toluene	128-37-0	<0.1
Other ingredients classified as not hazardous according to NOHSC		to 100

¹ Our supplier of butane has provided documentation stating that the butane component contains less than 0.1%w/w 1,3 butadiene.

4. FIRST AID MEASURES

Eye Contact	Wash eyes with large amount of water. If irritation occurs and persists, contact a doctor.
Skin Contact	Wash skin with warm water and soap. If irritation occurs and persists, contact a doctor.
Inhalation	Remove patient to fresh air. If breathing difficulties are experienced, seek medical attention.
Ingestion	Give 2 glasses of water to drink. Contact a doctor or a Poisons Information Centre.
Advice to Doctor:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific Dangers	Aerosol cans may explode and rocket when subjected to extreme heat.
Flammability	Flammable.
Extinguisher Type	Water, foam, carbon dioxide.
Hazchem code	2YE

6. ACCIDENTAL RELEASE MEASURES

Emergency and Evacuation Procedures Keep area well ventilated. Remove sources of ignition.

Minor Spills	Mop up spill with water and detergent.
Major Spills	Contain spill. Collect product using a suitable absorbent material such as vermiculite. Shovel material into clean, dry, labelled containers and close lids. Do not allow product to enter waterways.

7. HANDLING AND STORAGE

Handling	Dangerous Good Class 2.1 (AEROSOLS). Handle accordingly. Avoid contact with eyes. Do not pierce or burn can after use. Do not spray onto a naked flame or any incandescent material.
Storage	Dangerous Good Class 2.1 (AEROSOLS). Store accordingly. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

8. EXPOSURE AND PERSONAL PROTECTION

Exposure Standards - Australia

Exposure Standards⁽¹⁾ have been set for the following ingredients:

Ingredient	CAS No. ^(a)	TWA		STEL		Carcinogen Category	Notes
		ppm ^(b)	mg/m ^{3(c)}	ppm ^(b)	mg/m ^{3(c)}		
Butylated hydroxy toluene	128-37-0	-	10	-	-	-	-
	106-97-8	800	1900	-	-	-	-
Butane	74-98-6	-	-	-	-	-	asphyxiant
Propane							

Exposure Standards - New Zealand

Exposure Standards⁽³⁾ have been set for the following ingredients:

Ingredient	CAS No. ^(a)	TWA		STEL	
		ppm ^(b)	mg/m ^{3(c)}	ppm ^(b)	mg/m ^{3(c)}
Butylated hydroxy toluene	128-37-0	-	10	-	-
	106-97-8	800	1900	-	-
Butane	74-98-6	-	asphyxiant	-	-
Propane					

TWA = Time Weighted Average

STEL= Short Term Exposure Limit

⁽¹⁾ Worksafe Australia Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003 1995]

⁽³⁾ Workplace Exposure Standards endorsed by the Occupational Safety and Health Service (OSH) of the Department of Labour; Revised: January 2002

^(a) CAS #, Chemical Abstracts Service Registry. A unique numbering identifier is assigned to each individual chemical.

^(b) Parts of vapour or gas per million of contaminated air by volume at 25°C and 760 torr.

^(c) Milligrams of substance per cubic metre of air.

Engineering Controls	Ensure adequate ventilation. Use in well ventilated areas. Maintain air concentrations below exposure standards. Local exhaust ventilation should be used where aerosols/vapours are
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generated.

If ventilation is insufficient, wear a respirator fitted with an organic vapour cartridge.

Personal Protection When handling bulk quantities, wear suitable gloves, safety glasses and protective clothing. If ventilation is insufficient, a suitable respirator should be worn.

Work/Hygienic Practices Wash thoroughly with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Aerosol
Appearance	Coarse spray mist
Colour	Colourless
Boiling Point	0°C (butane)
Vapour Pressure	240 kPa @ 16°C (butane)
Density	0.960 - 0.980 at 25°C (concentrate)
Flashpoint	-60°C (butane)
Solubility in Water	Immiscible

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Dangerous Reactions	Aerosol cans may explode when subject to extremes of heat or pressure and may become projectiles.
Conditions to Avoid	Prolonged exposure to high temperatures.
Decomposition Products	Products may include oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Product Toxicity Toxicological testing of the concentrate of this product has been undertaken and the following results were found:

Oral LD50 (rat): >2000mg/kg
Dermal LD50 (rat): >2000mg/kg
Inhalation LC50 (rat) 4 hours: > 4.36 mg/L (nose only)
Eye irritancy (rabbit): Minimal irritant
Skin irritancy (rabbit): Mild irritant
Skin sensitisation (Maximization Test) (guinea pig): Non sensitiser

Based on these results the product does not require any health hazard classification or labelling according to EU labelling regulations Commission Directive 2001/59/EC.

Summary of Product Toxicity Effects
Acute Effect(s)

Eye	May cause irritation to the eyes.
Skin	May cause irritation to the skin.
Inhaled	Mists / vapours may cause irritation to the upper respiratory tract.
Swallowed	Not likely to be route of exposure.
Sensitisation	Not expected to be a skin sensitiser.
Chronic Effect(s)	The chronic toxicity of this product has not been determined.
Toxicity Information	Information is based on available component data and toxicity result of the product.

12. ECOLOGICAL INFORMATION

Component Ecotoxicity Based on component ecotoxicity data the product is very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment. This classification applies to bulk quantities only.

13. DISPOSAL CONSIDERATIONS

Disposal Method Product should be treated according to the instructions given under sections 6,7 and 8 above.
Dispose of according to Local, State and Federal regulations. Contact relevant authority for details.

14. TRANSPORT INFORMATION

Road Transport Regulations (ADG 7)

UN number: UN 1950
 Proper shipping name: AEROSOLS
 DG class: 2.1
 Subsidiary risk: None allocated
 Packing group: None allocated
 Hazchem code: 2YE

Maritime Transport Regulations (IMDG)

UN number: UN 1950
 Proper shipping name: AEROSOLS
 DG class: 2.1
 Subsidiary risk: None allocated
 Packing group: None allocated
 Marine Pollutant: Not a Marine Pollutant

Air Transport Regulations (IATA)

UN number: UN 1950
 Proper shipping name: AEROSOLS, FLAMMABLE
 DG class: 2.1
 Subsidiary risk: None allocated
 Packing group: None allocated

15. REGULATORY INFORMATION

Regulatory Status This product has been approved by:- APVMA, Australia ; APVMA No.62677

Hazardous Substances Regulation	Not Hazardous.
RISK PHRASE(S)	R12 Extremely flammable. R50/53 Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.
SAFETY PHRASE(S)	S2 Keep out of the reach of children. S16 Keep away from sources of ignition - No smoking. S51 Use only in well-ventilated areas. S29 Do not empty into drains. S35 This material and its container must be disposed of in a safe way.
Additional Safety Phrase(s)	Do not spray on a naked flame or any incandescent material Pressurised container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use.
SUSDP	S5 (deltamethrin)
NEW ZEALAND Regulatory Status	This product has been approved under HSNO - ERMA Approval Number: HSR000049.
Approved Handler	Approved handler required when greater than 3000L (aggregate water capacity) of 2.1.2A substances are present
Tracking	Not required

16. OTHER INFORMATION

CONTACT POINT

AUSTRALIA and NEW ZEALAND
Regulatory, Safety & Environmental Services

From outside Australia Ph: (61) (2) 9857 2000

From within Australia Ph: (02) 9857 2000

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KEY/LEGEND

NOHSC = National Occupational Health and Safety Commission (Australia)
ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail
IMDG = International Maritime Dangerous Goods
IATA = International Air Transport Association
SUSDP = Standard for the Uniform Scheduling of Drugs and Poisons (Australia)

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