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1. PRODUCT and COMPANY IDENTIFICATION

Product Name Mortein NaturGard Cockroach Control Spray

Other Names None

Product Code(s) 0267439 235g
0267441 320g

Recommended Use Household insecticide

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 organism. 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 S23 Do not breathe spray S35 This material and its container must be disposed of in a safe way S51 Use only in well-ventilated areas

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	30 - 60
Piperonyl butoxide	51-03-6	<1
Pyrethrins	8003-34-7	<1
Cypermethrin	52315-07-8	<1
Perfume	Mixture	<1
Butylated hydroxytoluene	128-37-0	<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 a large quantity of water. If irritation occurs and persists, contact a doctor.
Skin Contact	Wash off skin with warm water and soap. If irritation occurs and persists, contact a doctor.
Inhalation	Remove 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	Extremely flammable.
Extinguisher Type	Water, foam, carbon dioxide, dry chemical.
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 non-combustible absorbent material such as vermiculite, sand, earth. Shovel material into clean, dry, labelled containers and close lids. Do not allow product to enter waterways.

7. HANDLING AND STORAGE

Handling	DG 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	DG Class 2.1 (AEROSOLS). Store accordingly. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

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

Ingredients	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	-	-	-	-
Pyrethrins	8003-34-7	-	5	-	-	-	Sen
Butane	106-97-8	800	1900	-	-	-	-
Propane	74-98-6	-	-	-	-	-	asphyxiant

Exposure Standards - New Zealand Exposure Standards⁽²⁾ 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	-	-
Pyrethrum (sen)	8003-34-7	-	-	-	-
Butane	106-97-8	800	1900	-	-
Propane	74-98-6	Simple asphyxiant - may present an explosion hazard		-	-

TWA = Time Weighted Average

STEL= Short Term Exposure Limit

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

⁽²⁾ 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.

sen=sensitiser

Engineering Controls Ensure adequate ventilation. Maintain air concentrations below exposure standards.

Personal Protection When handling bulk quantities, wear suitable gloves, protective clothing and safety glasses. Where 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	Fine mist
Colour	Colourless
pH	Not determined
Vapour Pressure	240 kPa at 16°C (butane)
Vapour Density	Not determined
Boiling Point	0°C (butane)
Solubility in Water	Immiscible
Specific Gravity	0.74 - 0.76 g/mL at 25°C (concentrate)
Flashpoint	-60°C (butane)
Viscosity	Not applicable

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. Avoid extreme heat and pressures. Do not incinerate or puncture cans.
Decomposition Products	Products may include oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute Effect(s)	
Eye	May cause irritation to the eye.

Skin	May cause irritation to the skin with prolonged/repeated contact.
Inhaled	Mists/vapours may cause irritation to the respiratory system.
Swallowed	Not likely to be a 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 their concentrations in 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

AUSTRALIA

Regulatory Status This product has been registered by APVMA, Australia ; APVMA No. 62923

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
S23 Do not breathe spray
S35 This material and its container must be disposed of in a safe way
S51 Use only in well-ventilated areas

SUSDP Not scheduled

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

ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail

APVMA = Australian Pesticides and Veterinary Medicines Authority

DG = Dangerous Goods

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

NOHSC = National Occupational Health and Safety Commission (Australia)

SUSDP = Standard for the Uniform Scheduling of Drugs and Poisons (Australia)

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