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Description: MORTN FIK WITH BALL AERO

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Issue Date: 16 Mar 2010

PSDS

PSDS

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1. PRODUCT and COMPANY IDENTIFICATION

Product Name Mortein Energy Ball Fly Killer Aerosol

Other Names None

Product Code(s) 0267431 (250g) Odourless
0267433 (350g) Odourless
0267430 (250 g) Pine
0267428 (250g) Lemon

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

HAZARDOUS ACCORDING TO NOHSC CRITERIA DANGEROUS ACCORDING TO ADG CODE (See Section 14)

RISK PHRASE(S)
(See Section 15)

R12 Extremely Flammable
R38 Irritating to skin
R51/53 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 aerosol.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.

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 |
| Butylated hydroxy toluene | 128-37-0 | <1 |
| Fragrance (except Odourless) | | <1 |
| Esbiothrin | 84030-86-4 | 0.11 |
| Permethrin | 52645-53-1 | 0.05 |
| Other ingredients classified as not hazardous according to NOHSC | | to 100 |

¹Our 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 amount of water. If irritation occurs and persists contact a doctor. |
| Skin Contact | Wash off skin with warm water and soap. If irritation occurs contact a doctor. |
| Inhalation | Remove to fresh air. If breathing difficulties are experienced, seek medical attention. |
| Swallowed | 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 with extreme heat and become projectiles. |
| Flammability | Propellant gases are flammable. |
| Extinguisher Type | Water, foam, carbon dioxide. |
| Hazchem code | 2YE |

6. ACCIDENTAL RELEASE MEASURES

Emergency and Evacuation

Procedures Keep area well ventilated. Remove ignition sources.

Minor Spills Wipe up spills with a clean dry cloth. Wash away residues with water.

Major Spills Contain spill. Collect product using a suitable absorbing material such as vermiculite. Shovel material into a clean, dry, labelled container 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 skin and 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 CONTROLS / 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)} | | |
| Butane | 106-97-8 | 800 | 1900 | - | - | - | - |
| Propane | 74-98-6 | - | - | - | - | - | asphyxiant |
| Butylated hydroxytoluene | 128-37-0 | - | 10 | - | - | - | - |

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)} |
| Butane | 106-97-8 | 800 | 1900 | - | - |
| Propane | 74-98-6 | - | asphyxiant | - | - |
| Butylated hydroxytoluene | 128-37-0 | - | 10 | - | - |

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 Keep areas well ventilated. Maintain air concentrations below exposure standards.

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 | Fine mist |
| Colour | Colourless |
| Boiling Point | 0°C (butane) |
| Vapour Pressure | 240 kPa at 16°C (butane) |
| Specific Gravity | 0.96 at 25°C (concentrate) |
| Flashpoint | -60°C (butane) |
| Solubility in Water | Miscible |

10. STABILITY AND REACTIVITY

| | |
|-------------------------------|--|
| Stability | Stable under normal conditions. |
| Dangerous Reactions | Avoid extreme heat and pressures. Do not incinerate or puncture cans. Cans may explode when subjected to extreme heat or pressure. |
| Conditions to Avoid | Prolonged exposure to high temperatures. |
| Decomposition Products | Products may include oxides of carbon. |

11. TOXICOLOGICAL INFORMATION

Product Toxicity Toxicological testing of the concentrate of a similar product has been undertaken and found to be a skin irritant (rabbit).

Summary of Product Toxicity Effects

Acute Effect(s)

| | |
|--------------------------|--|
| Eye | May cause irritation to the eyes. |
| Skin | Will cause irritation to the skin with repeated/prolonged contact. |
| Inhaled | Mists may cause irritation to the upper respiratory tract. |
| 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 toxicity result of a similar product.

12. ECOLOGICAL INFORMATION

Product Ecotoxicity Ecotoxicological testing of the concentrate solution has been undertaken and found to be toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

The following results were found:

Acute Oral LD50 (Honeybee, *Apis mellifera*): 67.83ug /bee @ 48hrs

Acute Contact LD50 (Honeybee, *Apis mellifera*): 54.13ug /bee @ 48hrs

Acute Tox LC50 (Freshwater Fish, *Poecilia reticulata*): 4.43 mg/L after 96hrs

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: 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: 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: 1950
Proper shipping name: AEROSOLS
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 . 60745 - Odourless, 60746 - Lemon, 60747 - Pine.

Hazardous Substances Regulation

Hazardous

RISK PHRASE(S) R12 Extremely Flammable
R38 Irritating to skin

R51/53 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 aerosol.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.

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 Not scheduled

**NEW ZEALAND
Regulatory Status**

This product has been approved under HSNO - ERMA Approval Number HSR007755 (all variants)

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

ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail
APVMA = Australian Pesticides and Veterinary Medicines Authority
DG = Dangerous Goods
ERMA = Environmental Risk Management Authority (New Zealand)
HSNO = Hazardous Substances and New Organisms Act 1996 (New Zealand)
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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