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**Description:** BLACK FLAG CONTROL BOMB AE

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## 1. PRODUCT and COMPANY IDENTIFICATION

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**Product Name**                      **Black Flag Do-It-Yourself Control Bomb Insect Killer Aerosol**

**Other Names**                        Black Flag Control Bomb DIY

**Recommended Use**                Household insecticide fogger

**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:**                        2 Fred Thomas Drive,  
Takapuna, Auckland 0622

**TELEPHONE:**                    +64 9 484 1400

**Poisons Centre Information**

**AUSTRALIA**                        13 1126

**NEW ZEALAND**                0800 764 766 or 0800 POISON

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## 2. HAZARD(S) IDENTIFICATION

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

**RISK PHRASE(S)** R12 Extremely flammable.  
(See Section 15)

**ENVIRONMENTAL RISK PHRASE** 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.  
S29 Do not empty into drains.  
S35 This material and its container must be disposed of in a safe way.  
S51 Use only in well-ventilated areas.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	CAS No	Proportion (%w/w)
<sup>1</sup> Hydrocarbon propellant	106-97-8 / 74-98-6	>60
Ethanol	64-17-5	10 - <30
Permethrin	52645-53-1	1.00 (10g/kg)
Fenoxycarb	72490-01-8	0.077 (0.77g/kg)
Nonionic Surfactant	68131-39-5	<1
Butylated hydroxytoluene	128-37-0	<1
<sup>2</sup> Perfume		<1
Other ingredients classified as not hazardous according to NOHSC		to 100

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

<sup>2</sup> Perfume: May contain the following ingredients @ >0.1% w/w. May cause an allergic reaction.: Citral CAS no. 5392-40-5 ; Limonene CAS No. 138-86-3

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### 4. FIRST AID MEASURES

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<b>Eye Contact</b>	Wash eyes with a large quantity of water. If irritation occurs and persists, contact a doctor.
<b>Skin Contact</b>	Wash off skin with water and soap. If irritation occurs and persists, contact a doctor.
<b>Inhalation</b>	Remove to fresh air. If breathing difficulties are experienced, seek medical attention.
<b>Advice to Doctor:</b>	Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

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<b>Specific Dangers</b>	Aerosol cans may explode and rocket when subjected to extreme heat.
<b>Flammability</b>	Extremely flammable.
<b>Extinguisher Type</b>	Water, foam, carbon dioxide.
<b>HazChem Code</b>	None allocated.

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### 6. ACCIDENTAL RELEASE MEASURES

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**Emergency and Evacuation**

<b>Procedures</b>	Keep area well ventilated. Remove sources of ignition.
<b>Minor Spills</b>	Mop up spill with water and detergent.
<b>Major Spills</b>	Contain spill. Collect product using a suitable absorbent material such as vermiculite. Shovel material into labelled containers and close lids. Do not allow product to enter waterways.

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## 7. HANDLING AND STORAGE

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

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Exposure Standards - Australia

Exposure Standards<sup>(1)</sup> have been set for the following ingredients:

Ingredient	CAS No.. <sup>(a)</sup>	TWA		STEL		Carcinogen Category	Notices
		ppm <sup>(b)</sup>	mg/m <sup>3(c)</sup>	ppm <sup>(b)</sup>	mg/m <sup>3(c)</sup>		
Ethanol	64-17-5	1000	1880	-	-	-	-
Butylated hydroxytoluene	128-37-0	-	10	-	-	-	-
Butane	106-97-8	800	1900	-	-	-	-
Propane	74-98-6	-	asphyxiant	-	-	-	-

### Exposure Standards - New Zealand

Exposure Standards<sup>(2)</sup> have been set for the following ingredients:

Ingredient	CAS No.. <sup>(a)</sup>	TWA		STEL	
		ppm <sup>(b)</sup>	mg/m <sup>3(c)</sup>	ppm <sup>(b)</sup>	mg/m <sup>3(c)</sup>
Ethyl alcohol	64-17-5	1000	1880	-	-
2,6-Di-tert-butyl-p-cresol	128-37-0	-	10	-	-
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

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

<sup>(2)</sup> Workplace Exposure Standards endorsed by the Occupational Safety and Health Service (OSH) of the Department of Labour; Revised: January 2002

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

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

<sup>(c)</sup> Milligrams of substance per cubic metre of air.

<b>Engineering Controls</b>	Ensure adequate ventilation. Maintain air concentrations below exposure standards.
<b>Personal Protection</b>	When handling bulk quantities, wear suitable gloves, safety glasses and protective clothing. If ventilation is insufficient, a suitable respirator should be worn.
<b>Work/Hygienic Practices</b>	Wash thoroughly with soap and water after handling.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical State</b>	Aerosol
<b>Appearance</b>	Fine mist
<b>Colour</b>	Colourless
<b>Boiling Point</b>	0°C (butane)
<b>Vapour Pressure</b>	240 kPa @ 16°C (butane)
<b>Specific Gravity</b>	0.81 - 0.82 @ 25°C (Concentrate)
<b>Flashpoint</b>	-60°C (butane)
<b>Solubility in Water</b>	Partially miscible

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## 10. STABILITY AND REACTIVITY

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<b>Stability</b>	Stable under normal conditions.
<b>Dangerous Reactions</b>	Aerosol cans may explode and rocket when subjected to extreme heat.
<b>Conditions to Avoid</b>	Avoid extreme heat and pressures. Do not incinerate or puncture cans.
<b>Decomposition Products</b>	Products include oxides of carbon and nitrogen.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Acute Effect(s)</b>	
<b>Eye</b>	May cause irritation to the eyes.
<b>Skin</b>	May cause irritation to the skin with repeated/prolonged contact.
<b>Inhaled</b>	Mists/vapours may cause irritation to the upper respiratory tract.
<b>Swallowed</b>	Unlikely to be a route of exposure.
<b>Sensitisation</b>	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.

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## 12. ECOLOGICAL INFORMATION

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**Product Ecotoxicity** The ecotoxicity of this product has not been determined.

**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.

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## 13. DISPOSAL CONSIDERATIONS

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**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.

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## 14. TRANSPORT INFORMATION

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**Road Transport Regulations (ADG)**

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

**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, FLAMMABLE  
DG class: 2.1  
Subsidiary risk: None allocated  
Packing group: None allocated

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## 15. REGULATORY INFORMATION

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**AUSTRALIA  
Regulatory Status**

This product has been registered by APVMA, Australia ; APVMA No. 65673

**Hazardous Substances Regulation** Not hazardous.

**Risk Phrase(s)** R12 Extremely flammable.

<b>Environmental Risk Phrase</b>	R50/53 Very toxic to aquatic organisms, May cause long-term adverse effects in the aquatic environment.
<b>Safety Phrase(s)</b>	S2 Keep out of the reach of children. S16 Keep away from sources of ignition - No smoking. S29 Do not empty into drains. S35 This material and its container must be disposed of in a safe way. S51 Use only in well-ventilated areas.
<b>Additional Safety Phrase(s)</b>	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.
<b>SUSMP</b>	Not scheduled
<b>NEW ZEALAND Regulatory Status</b>	This product has been approved under HSNO - ERMA Approval Number: HSR000343
<b>Approved Handler</b>	Required - When greater than 3000L (aggregate water capacity) of 2.1.2A substances are present
<b>Tracking</b>	Not Required

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## 16. OTHER INFORMATION

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### 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  
DG = Dangerous Goods  
IMDG = International Maritime Dangerous Goods  
IATA = International Air Transport Association  
APVMA = Australian Pesticides and Veterinary Medicines Authority (Australia)  
ERMA = Environmental Risk Management Authority (New Zealand)  
SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons (Australia)

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