



## MATERIAL SAFETY DATA SHEET

### RUDCHEM PYMATIC

#### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	Rudchem Pymatic
<b>Product Code</b>	-
<b>Other Names</b>	Pymatic metered aerosol, Coopermatic, Time Mist
<b>Product Use</b>	Metered insecticide to suit 'Syncromist' and 'Coopermatic' insecticide dispensers.
<b>Supplier Name</b>	C.Rudduck Pty Ltd
<b>Address</b>	2/247 Ingles Street Port Melbourne VIC 3207
<b>Telephone Number</b>	03 9676 4444
<b>Emergency Telephone</b>	0418 355 009

#### 2. HAZARDS IDENTIFICATION

##### HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

Classified as hazardous according to the criteria of ASCC.

<b>Hazards</b>	T - Toxic F+ - Extremely Flammable
<b>Risk Phrases</b>	R12 - Extremely flammable. R45 - May cause cancer. R65 - Harmful: May cause lung damage if swallowed.
<b>Safety Phrases</b>	S1/2 - Keep locked up and out of reach of children. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S53 - Avoid exposure-obtain special instructions before use.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient (common name)</b>	<b>CAS Number</b>	<b>Proportion by weight</b>
Pyrethrum	8003-34-7	1-3%
Piperonyl butoxide	51-03-6	1-9%
Naphta petroleum, heavy, hydrotreated	64742-48-9	10-30%
Hydrocarbon propellant - LPG (liquified petroleum gas)	68476-85-7	30-60%
Perfume	-	Less than 1%



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### 4. FIRST AID MEASURES

<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Give the victim one or two glasses water to drink. Seek immediate medical attention.
<b>Skin</b>	Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if irritation develops. Launder clothing before reuse.
<b>Eyes</b>	In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire. Carbon dioxide (CO <sub>2</sub> ), dry chemical, foam
<b>Hazardous Combustion Products</b>	No information available.
<b>Firefighting Equipment</b>	Wear ASCC approved self-contained breathing apparatus and full protective clothing.
<b>Unusual Fire or Explosion Hazards</b>	Highly flammable aerosol. Containers may burst if heated above 50°C. Use water spray to cool down containers and prevent bursting.
<b>Hazchem Code</b>	2Y

### 6. ACCIDENTAL RELEASE MEASURES

<b>Spills</b>	Spills from an aerosol are unlikely.
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### 7. HANDLING AND STORAGE

<b>Handling</b>	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating.
<b>Storage</b>	Store in a cool, dry place, out of the sun and below 50°C. Do not store or use near fire or flame.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Standards (ASCC)</b>	<b>Pyrethrum:</b> TWA: - ppm / 5 mg/m <sup>3</sup> STEL: - ppm / - mg/m <sup>3</sup> <b>LPG (liquified petroleum gas):</b> TWA: 1000ppm / 1800 mg/m <sup>3</sup> STEL: - ppm / - mg/m <sup>3</sup>
<b>Engineering Controls</b>	Local exhaust ventilation is recommended when vapours can be released in excess of established airborne exposure limits.
<b>Respiratory Protection</b>	No respiratory protection is required.
<b>Eye Protection</b>	Do not inhale spray. No eye protection is required. Avoid contact with eyes, skin and clothing. Do not spray directly on humans, pets, exposed foods, food utensils or food preparation surfaces.
<b>Skin Protection</b>	No skin protection is required. Avoid contact with eyes, skin and clothing. Do not spray directly on humans, pets, exposed foods, food utensils or food preparation surfaces.
<b>Hygienic Practices</b>	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Aerosol
<b>Odour</b>	Spearmint odour
<b>Solubility in water</b>	Immiscible
<b>Boiling Point / Range</b>	No information available
<b>Vapour Pressure</b>	50-60psi
<b>Percentage Volatiles</b>	98%
<b>Flash Point</b>	Not established.
<b>Flammable Limit – Lower</b>	No information available
<b>Flammable Limit – Upper</b>	No information available
<b>Flammability</b>	Highly flammable aerosol. Do not spray uninterrupted for more than 10 seconds in confined spaces. Keep away from naked flames.

### 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable at ambient temperature and under normal conditions of use.
<b>Incompatible Materials</b>	No information available
<b>Hazardous Decomposition Products</b>	No information available



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**Hazardous Polymerization Conditions to Avoid** Will not occur.  
Do not puncture or incinerate can. Highly flammable. Keep away from naked flame. Do not spray uninterrupted for more than 10 seconds in confined spaces.

### 11. TOXICOLOGICAL INFORMATION

**Toxicity** **Piperonyl butoxide:**  
Oral LD<sub>50</sub> (rat) = 6150mg/kg  
Oral LD<sub>50</sub> (mouse) = 3800mg/kg  
Skin LD<sub>50</sub> (rabbit) = 200mg/kg  
Oral LD<sub>50</sub> (rabbit) = 7500mg/kg

**Routes of Exposure** Inhalation, ingestion, eye and skin

**Health effects from likely routes of exposure** Inhalation: May cause dizziness or headache.  
Intentional misuse by deliberately inhaling content can be fatal.  
Ingestion: Not normally a hazard due to physical form of product.  
May cause nausea, abdominal irritation, vomiting and pain.  
Eye: May cause eye irritation.  
Skin: May cause skin irritation and defatting.

**Effects of Overexposure** Prolonged or repeated exposure may cause dizziness and headache.

**Existing Conditions Aggravated by Exposure** No information available.

**Carcinogenicity** Carcinogen category 2 – Naphta petroleum, heavy, hydrotreated.  
Carcinogen category 2 – Hydrocarbon propellant.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity** **Piperonyl butoxide:**  
LC<sub>50</sub> (Rainbow trout) = 6.12ppm (96 hour)  
LC<sub>50</sub> (Bluegill sunfish) = 5.37ppm (96 hour)  
LC<sub>50</sub> (Daphnia magna) = 0.51 ppm (48 hour)  
Oral LD<sub>50</sub> (Bobwhite quail) > 2,250 mg/kg  
Bobwhite 5 day dietary LC<sub>50</sub> > 5,620 ppm  
Mallard 5 day dietary LC<sub>50</sub> > 5,620 ppm  
Eco-Chronic Toxicity:  
Fish (Fathead Minnow) Early life stage MATC >0.18 mg/L - <0.42 mg/L  
Invertebrate (Daphnia Magna) life cycle MATC >30 µg/L - <47 µg/L  
Piperonyl Butoxide is highly toxic to fish and aquatic organisms.  
Honeybee Acute >25 µg/bee

**Mobility** No information available.



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### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

Classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

<b>UN Number</b>	1950
<b>Proper Shipping Name</b>	AEROSOLS
<b>Dangerous Goods Class</b>	2.1
<b>Hazchem Code</b>	2Y
<b>Packing Group</b>	Not applicable.
<b>Special Precautions</b>	Not applicable.

### 15. REGULATORY INFORMATION

Pyrethrum, piperonyl butoxide, naphta petroleum, heavy, hydrotreated and hydrocarbon propellant - LPG (liquefied petroleum gas) are listed in the Australian Inventory of Chemical Substances (AICS).

### 16. OTHER INFORMATION

<b>Last Revision of MSDS</b>	Rev 1.0 (06/08/2008)
<b>Prepared by</b>	MSDS.COM.AU Pty Ltd <a href="http://www.msds.com.au">www.msds.com.au</a>
<b>Abbreviations Used</b>	IARC: International Agency for Research on Cancer ASCC: Australian Safety and Compensation Council NTP: National Toxicology Program (U.S.) OSHA: Occupational Safety and Health Administration (U.S.) STEL: Short term exposure limit TWA: Time weighted average

#### Emergency Contacts

<b>C.Rudduck Pty Ltd</b>	<b>03 9676 4444</b>
<b>C.Rudduck Pty Ltd – Emergency Number</b>	<b>0418 355 009</b>
<b>Police and Fire Brigade</b>	<b>000</b>
<b>Poisons Information Centre</b>	<b>13 11 26</b>



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Please read instructions / label before using product.