



MATERIAL SAFETY DATA SHEET

RUDCHEM PYMATIC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

Classified as hazardous according to the criteria of ASCC.

Hazards	T - Toxic F+ - Extremely Flammable
Risk Phrases	R12 - Extremely flammable. R45 - May cause cancer. R65 - Harmful: May cause lung damage if swallowed.
Safety Phrases	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

Ingredient (common name)	CAS Number	Proportion by weight
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

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.
Ingestion	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.
Skin	Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if irritation develops. Launder clothing before reuse.
Eyes	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

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

6. ACCIDENTAL RELEASE MEASURES

Spills	Spills from an aerosol are unlikely.
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7. HANDLING AND STORAGE

Handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating.
Storage	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

Exposure Standards (ASCC)	Pyrethrum: TWA: - ppm / 5 mg/m ³ STEL: - ppm / - mg/m ³ LPG (liquified petroleum gas): TWA: 1000ppm / 1800 mg/m ³ STEL: - ppm / - mg/m ³
Engineering Controls	Local exhaust ventilation is recommended when vapours can be released in excess of established airborne exposure limits.
Respiratory Protection	No respiratory protection is required.
Eye Protection	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.
Skin Protection	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.
Hygienic Practices	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

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

10. STABILITY AND REACTIVITY

Chemical Stability	Stable at ambient temperature and under normal conditions of use.
Incompatible Materials	No information available
Hazardous Decomposition Products	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 LD₅₀ (rat) = 6150mg/kg
Oral LD₅₀ (mouse) = 3800mg/kg
Skin LD₅₀ (rabbit) = 200mg/kg
Oral LD₅₀ (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:**
LC₅₀ (Rainbow trout) = 6.12ppm (96 hour)
LC₅₀ (Bluegill sunfish) = 5.37ppm (96 hour)
LC₅₀ (Daphnia magna) = 0.51 ppm (48 hour)
Oral LD₅₀ (Bobwhite quail) > 2,250 mg/kg
Bobwhite 5 day dietary LC₅₀ > 5,620 ppm
Mallard 5 day dietary LC₅₀ > 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

Disposal methods and containers	Do not puncture or incinerate can even when empty. Dispose according to applicable local and state government regulations.
Special precautions for landfill or incineration	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.

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

Last Revision of MSDS	Rev 1.0 (06/08/2008)
Prepared by	MSDS.COM.AU Pty Ltd www.msds.com.au
Abbreviations Used	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

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



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Please read instructions / label before using product.