



SAFETY DATA SHEET

According to Safe Work Australia

Printing date 05.06.2013

Revision: 05.06.2013

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: PY SPRAY AEROSOL INSECTICIDE**Recommended Use of the Chemical and Restriction on Use:** Aerosol insecticide**Details of Manufacturer or Importer:**

C.Rudduck Pty Ltd
2/247 Ingles Street
Port Melbourne VIC 3207

Phone Number: 03 9676 4444**Emergency telephone number:** 0418 355 009

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Label Elements**Signal Word** Danger**Hazard Statements**

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P273 Avoid release to the environment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

68475-59-2	Alkanes, C3-4	>60%
	 Flam. Gas 1, H220; Flam. Liq. 1, H224; Press. Gas, H280	

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93924-07-3	Alkanes, C10-14 ⚠ Asp. Tox. 1, H304	30-60%
51-03-6	2-(2-butoxyethoxy)ethyl 6-propylpiperonylether ⚠ Acute Tox. 3, H331; ⚠ Aquatic Chronic 2, H411; Acute Tox. 5, H313	5%
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthamate ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	1%

4. FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Information for Doctor

Treat symptomatically. Exposure may increase myocardial irritability. No specific antidote; avoid epinephrine if possible. May cause eye irritation. If cornea is burned, instill antibiotic steroid preparation frequently. Increase in carboxyhaemoglobin may result. Never give adrenalin to victim of overexposure. Alcohol will increase toxic effect. Causes central nervous system depression.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide, dry chemical powder or regular dry foam. Sand or earth may be used for small fires.

Specific Hazards Arising from the Chemical

Closed containers may explode when exposed to extreme heat. Use water sprays to cool fire exposed containers.

Hazardous combustion products include carbon monoxide, toxic chlorine gas, toxic and irritating hydrogen chloride.

Special Protective Equipment and Precautions for Fire Fighters

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Shut off all possible sources of ignition and increase ventilation. If safe, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

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Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a container outdoors, away from ignition sources, until pressure has dissipated.

7. HANDLING AND STORAGE**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use in a well-ventilated area. DO NOT incinerate or puncture aerosol cans. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Protect from heat, sparks, open flames and hot surfaces. DO NOT incinerate or puncture aerosol cans. Avoid physical damage to containers. Check regularly for spills and leaks. Store at temperatures below 40 °C. Keep away from strong oxidising agents.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Standards (Safe Work Australia):**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Personal Protective Equipment (PPE):**Respiratory Protection:**

Respiratory protection is not necessary if the ventilation is adequate. Avoid working in and breathing spray mist.

Skin Protection:

Impermeable gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance:**

Form:	Supplied as an aerosol pack. Contents under pressure. Contains highly flammable hydrocarbon propellant. Aerosol pack has metered valve.
Colour:	Clear golden
Odour:	Alcoholic
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	-18 °C
Flammability:	Extremely flammable aerosol
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available

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Explosion Limits:	
Lower:	1.4 Vol %
Upper:	7.6 Vol %
Vapour Pressure:	No information available
Relative Density:	No information available
Solubility in Water:	Miscible

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and hot surfaces.

Incompatible Materials: Strong oxidising agents

Hazardous Decomposition Products:

Could evolve carbon monoxide, toxic chlorine gas, toxic and irritating hydrogen chloride, and highly toxic and irritating phosgene on decomposition.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

51-03-6 2-(2-butoxyethoxy)ethyl 6-propylpiperonylether

Oral	LD ₅₀	6150 mg/kg (rat)
Dermal	LD ₅₀	>7950 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	>5900 mg/m ³ (rat)

Acute Health Effects

Inhalation: May cause respiratory irritation with coughing, sneezing, headache and even nausea.

Skin: May cause skin irritation.

Eye: May cause severe irritation to the eye causing pronounced inflammation.

Ingestion:

May cause irritation of mouth and throat, abdominal pain, nausea and vomiting, dizziness, headache, disorientation, mental confusion and slurred speech

Skin Corrosion / Irritation: Not expected to be a hazard.

Serious Eye Damage / Irritation: Not expected to be a hazard.

Respiratory or Skin Sensitisation: No sensitising effects known.

Germ Cell Mutagenicity: No information available

Carcinogenicity:

Piperonyl butoxide is classified by IARC as a Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: No information available

Specific Target Organ Toxicity (STOT) - Single Exposure: Not expected to be a hazard.

Specific Target Organ Toxicity (STOT) - Repeated Exposure: Not expected to be a hazard.

Aspiration Hazard: May be fatal if swallowed and enters airways.

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Chronic Health Effects:

Repeated or prolonged exposure to irritants may cause conjunctivitis.

The material may cause skin irritation after prolonged or repeated exposure and may cause on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.

12 . ECOLOGICAL INFORMATION**Ecotoxicity:****Aquatic toxicity:**

Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability: No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**13 . DISPOSAL CONSIDERATIONS****Disposal Methods and Containers:**Dispose according to applicable local and state government regulations.
DO NOT incinerate or puncture aerosol cans.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number	1950
Proper Shipping Name	AEROSOLS
Dangerous Goods Class	
ADG Class:	2 5F Gases.
IMDG Class:	2.1
Packing Group:	Not applicable
EMS Number:	F-E, <u>S-E</u>
Hazchem Code:	2YE
Special Provisions:	63, 190, 277, 327
Limited Quantities:	See SP 277
Packagings & IBCs - Packing Instruction:	P003, LP02
Packagings & IBCs - Special Packing Provisions:	PP17, PP87, L2

15 . REGULATORY INFORMATION**Australian Inventory of Chemical Substances:**

51-03-6	2-(2-butoxyethoxy)ethyl 6-propylpiperonylether
121-21-1	2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1alpha[S*(Z)],3beta]]-chrysanthemate
93924-07-3	Alkanes, C10-14
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16 . OTHER INFORMATION

Creation Date: 05.06.2013**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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