

Safety Data Sheet

According to Safe Work Australia

Revision No2: 01-11-2021

Section 1 – IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: PYZAPP NATURAL INSECTICIDE

Recommended use of the chemical and restriction on use: Aerosol Insecticide

Details of Manufacturer:

Nu-Cans Australia Pty Ltd

Lot 23 Roadtrain Drive Two Wells, SA 5501

Phone No: 61-8 -82528396

Emergency Phone No: 61-418845456

Section 2 – HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Product Definition: Mixture

Classification: F+, R12. Xi, R38. N, R50/53

Human hazards: Irritating to skin

Hazard Statements: **Danger** H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
Warning H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

2.1 Label elements:

Hazard Symbols:



Indication of danger: Extremely flammable, irritant, dangerous for the environment.

Risk Phrases
R12 Extremely flammable.
R38 Irritating to skin
R50/53 Very toxic to aquatic life. May cause long term adverse effects in the aquatic environment.

Safety Phrases:
S2 Keep away from children
S16 Keep away from sources of ignition – no smoking.
S23 Do not breathe vapour or spray.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with water and seek medical attention.
S28 After contact with skin wash immediately with water.
S46 If swallowed, seek medical advice immediately and show the container or label.
S51 Use in well ventilated areas.
S61 Avoid release to the environment, refer to special instructions / Safety Data Sheet.

(cont'd on page 2)

Safety Data Sheet

According to Safe Work Australia

Revision 2: 01-11-2021

Product Name: PYZAPP AEROSOL INSECTICIDE

Section 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below and non-hazardous substances.

Hazardous Components:		
68475 – 59-2	Petroleum gases, liquefied. Flam. Gas 1. H220: Flam. Liq.1, H224: Press. Gas, H280	30 – 60%
64742 – 48-9	Naptha (petroleum), hydrotreated heavy Asp. Tox. 1. H334, H207	30 - 60%
51-03-6	Piperonyl Butoxide Acute Tox. 3, H301: Acute Tox. 3, H311: Acute Tox.4, H313	0 - 10%
8003-34-7	Pyrethrins 1 & 2	0 - 10%

Section 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:

If skin contact occurs, immediately remove contaminated clothing and wash affected area with water and soap. Seek medical attention if symptoms occur.

Eye contact:

If eye contact occurs, rinse carefully 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 irritability. No specific antidote, avoid epenophrine if possible. May cause eye irritation. If cornea is burnt, instill antibiotic preparation frequently. Increase in carboxyhaemoglobin may result. Never give adrenalin to victim of overexposure. Alcohol will increase toxic effect. Causes central nervous system depression.

Section 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

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

Special Protective Equipment and Precaution for Fire Fighters:

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

(cont'd on page 3)

Safety Data Sheet

According to Safe Work Australia

Revision 2: 01-11-2021

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Section 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.

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.

Section 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 well ventilated area. Do NOT incinerate or puncture aerosol cans. Food, beverages and tobacco products should not be consumed or stored 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 oxidizers.

Section 8 – EXPOSURE CONTROL 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 clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information

(cont'd on page 4)

Safety Data Sheet

According to Safe Work Australia

Revision 2: 01-11-2021

Product Name: PYZAPP AEROSOL INSECTICIDE

Eye and Face Protection:

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

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form: Supplied as an aerosol pack. Contents under pressure. Contains highly flammable liquid.

Colour: Clear

Odour: Citrus

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

Explosive Limits:

Lower: 3.5 Vol %

Upper: 9.0 Vol %

Vapour Pressure: No information available

Relative Density: 0.80 g/ml

Solubility in Water: Miscible

Section 10 – STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerization 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 oxidizing agents.

Hazardous Decomposition Products:

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

Section 11 – TOXICOLOGICAL INFORMATION

LD₅₀/LC₅₀ Values Relevant for Classification:

51-03-6 Piperonyl Butoxide

Oral LD₅₀ : 6150 mg/kg (rat)

Dermal LD₅₀: >7950 mg/kg (rabbit)

Inhalation LC₅₀/4hr: >5900mg/m³ (rat)

(Cont'd on page 5)

Safety Data Sheet

According to Safe Work Australia

Revision 2: 01-11-2021

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64742-48-9 Naphtha (petroleum) hydrotreated heavy.	
Oral LD ₅₀	>5000mg/kg (rat)
Dermal LD ₅₀	>1000mg/kg (rab)
8003-34-7 Pyrethrins & Pyrethroids	
Oral LD ₅₀	300mg/kg (rat)
Dermal LD ₅₀	200mg/kg (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 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 sensitization: No sensitizing 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.

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 skin redness, swelling, the production of vesicles, scaling and thickening of the skin on contact.

Section 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.

Bio-accumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.

Section 13 – DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:

Dispose according to local and state government regulations.

DO NOT incinerate or puncture aerosol cans.

Special considerations for landfill or incineration.

Please consult your state Land Waste Management Authority for more information

(Cont'd on page6)

Safety Data Sheet

According to Safe Work Australia

Revision 2: 01-11-2021

Product Name: PYZAPP AEROSOL INSECTICIDE

Section 14 – TRANSPORT INFORMATION

UN Number:	1950
Proper Shipping Name	AEROSOL
Dangerous Goods Class	
ADG Class:	2.5F Gases
IMDG Class:	2.1
Packing Group:	Not applicable
EMS Number:	F-E, S-E
Hazchem Code:	2YE
Special Provisions:	63,190,277, 327
Limited Quantities:	See SP 227
Packagings & IBCs Packing Instruction:	P003, LP02
Packagings & IBCsSpecial Packing Provisions:	PP17, PP87, L2

Section 15 – REGULATORY INFORMATION

Australian Inventory of Chemical Substances	
51-03-6	Piperonyl Butoxide
8003-34-7	Pyrethrin 1 & 2
68475-59-2	Alkanes C3-C4
64742-48-9	Alkanes C10-C13

Section 16 – OTHER INFORMATION

Creation Date: 07-02-2013

Prepared by: Struthill Pty Ltd

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 SDS is prepared in accordance with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals – December 2011".

The information contained in this SDS is provided in good faith and is believed to be accurate at the date of issue. Nu-Cans Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or related to the supply or use of the information in this Safety Data Sheet. Struthill Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.