

# Safety Data Sheet

According to Safe Work Australia

Revision No1: 01-01-2017

## 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, for Pest IT Pty Ltd

52 Freight Drive Somerton Victoria 3062

**Phone No:** 1300 665 657**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.

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**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.

### 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.

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### 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.

## 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.

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### 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

**Eye and Face Protection:**

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

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### 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.

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### Section 11 – TOXICOLOGICAL INFORMATION

LD <sub>50</sub> /LC <sub>50</sub> Values Relevant for Classification:	
<b>51-03-6 Piperonyl Butoxide</b>	
Oral LD <sub>50</sub> :	6150 mg/kg (rat)
Dermal LD <sub>50</sub> :	>7950 mg/kg (rabbit)
Inhalation LC <sub>50</sub> /4hr:	>5900mg/m <sup>3</sup> (rat)
<b>64742-48-9 Naphtha (petroleum) hydrotreated heavy.</b>	
Oral LD <sub>50</sub>	>5000mg/kg (rat)
Dermal LD <sub>50</sub>	>1000mg/kg (rab)
<b>8003-34-7 Pyrethrins &amp; Pyrethroids</b>	
Oral LD <sub>50</sub>	300mg/kg (rat)
Dermal LD <sub>50</sub>	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.

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### 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

### Section 14 – TRANSPORT INFORMATION

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

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### Section 15 – REGULATORY INFORMATION

**Australian Inventory of Chemical Substances**

51-03-6 Piperonyl Butoxide

8003-34-7 Pyrethrin 1 &amp; 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.