



SAFETY DATA SHEET

PYRATE NATURAL INSECTICIDE APVMA Approval No. 88596

SECTION 1. IDENTIFICATION

Product name: PYRATE NATURAL INSECTICIDE APVMA Approval No. 88596

Recommended Use: Insecticide for use as described on the product label.

Restrictions on Use: None specified.

Supplier of SDS: Freezone Public Health Pty Ltd

Supplier Address: 18 Gilpin Street
Shorncliffe QLD 4017

Supplier Phone: 07 3869 4436

Supplier Fax: 07 3869 4433

Supplier Email: info@freezone.net.au

Emergency Telephone Number: Craig Jephcott 0412 200 252
Poisons Information Centre 13 11 26

SECTION 2. HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Physical hazards Flam. Liq. 4 - H227

Health hazards Skin Sens. 1B - H317

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Hazard pictograms



Signal word

WARNING

Hazard statements

H227 Combustible liquid.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 - Avoid release to the environment.

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P280 - Wear eye protection, protective clothing, protective gloves.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P370+P378 - In case of fire: Use media other than water to extinguish.

P391 - Collect spillage.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

PYRETHRINS contains 40g/L

CAS number: 8003-34-7

Non-hazardous ingredients contains 96%

CAS number: secret

EC number: secret

Full text for all hazard statements is contained in Section 16.

SECTION 4. FIRST AID MEASURES**First aid measures**

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| General information | If you feel unwell, seek medical advice. |
| Inhalation | Remove person to fresh air and keep comfortable for breathing. |
| Ingestion | Call a poison center or a doctor if you feel unwell. |
| Skin Contact | Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| Eye contact | Rinse eyes with water as a precaution. |

Symptoms caused by exposure

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| Inhalation | Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Ingestion | None under normal conditions. |
| Skin contact | May cause an allergic skin reaction. |
| Eye contact | None under normal conditions. |

Indication of any immediate medical attention and special treatment needed

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| Notes for the doctor | Treat symptomatically. |
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SECTION 5. FIREFIGHTING MEASURES**Extinguishing media**

Suitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing
Media

Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Fire hazard Combustible liquid.

Explosion hazard No direct explosion hazard.

General measures Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
Absorb spillage to prevent material damage. No action shall be taken without appropriate training or involving any personal risk.

Hazardous decomposition
products in case of fire Toxic fumes may be released.

Advice for firefighters

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| Firefighting instructions | Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Keep upwind. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| Hazchem Code | •3Z |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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| General measures | Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. No action shall be taken without appropriate training or involving any personal risk. |
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For non-emergency personnel

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| Protective equipment | Wear recommended personal protective equipment. |
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| Emergency procedures | Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
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For emergency responders

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| Protective equipment | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
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| Emergency procedures | Evacuate unnecessary personnel. Stop leak if safe to do so. |
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Environmental precautions

Avoid release to the environment.

Methods and materials for containment and cleaning up

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| For containment | Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. |
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| Methods for cleaning up | Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |
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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

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| Additional hazards when processed | Not expected to present a significant hazard under anticipated conditions of normal use. |
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| Precautions for safe handling | Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
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| Hygiene measures | Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
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Conditions for safe storage, including any incompatibilities

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| Technical measures | Keep in a cool, well-ventilated place away from heat. |
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| Storage conditions | Store in a well-ventilated place. Keep cool. |
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| Information on mixed storage | Store away from incompatible materials and products. Refer to the detailed list of |
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| | incompatible materials in section 10 Stability/Reactivity. |
| Storage area | Keep out of direct sunlight. |
| Special rules on packaging | Position containers so that any labelling information is visible. Keep packaging closed when not in use. Check containers and packaging regularly for leaks and damage. |
| Packaging materials | Store always product in container of same material as original container. |

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits

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| Pyrethrins | Safework Australia Workplace Exposure Standards: Long-term exposure limit (8-hour TWA): 5 mg/m ³ |
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Exposure controls

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| Protective equipment | Personal protective equipment (PPE) must be suited to the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. Avoid all unnecessary exposure. Wear recommended personal protective equipment. |
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Personal protective equipment symbol(s)



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| Hand protection | Wear protective gloves: Antistatic gloves |
| Eye protection | Wear eye protection: Chemical goggles or safety glasses |
| Skin and body protection | Wear protective clothing: Antistatic clothing, Flame retardant protective clothing |
| Respiratory protection | If mist is formed : Disposable half mask |
| Monitoring methods | Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents. Gas detectors should be used when flammable gases/vapours may be released. |
| Appropriate engineering Controls | Ensure good ventilation of the work station. Use spark-/explosionproof appliances and lighting system. Use grounded electrical/mechanical equipment. |
| Environmental exposure Controls | Avoid release to the environment. |
| Other information | The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210. PPE compliant with the recommended standards should be selected. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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| Physical state | Liquid |
| Appearance | clear. |
| Colour | Pale yellow |
| Odour | Characteristic slight |
| Odour threshold | No data available |
| pH | No data available |
| pH solution | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Melting point / Freezing point | Melting point: Not applicable |
| Boiling point | No data available |
| Flash point | > 61 °C |
| Auto-ignition temperature | No data available |
| Flammability | No data available |
| Vapour pressure | No data available |
| Relative density | No data available |
| Density | Relative density: 0.82 |
| Solubility | No data available |
| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Explosive properties | No data available |
| Explosive limits | No data available |
| Minimum ignition energy | No data available |
| Fat solubility | No data available |

SECTION 10. STABILITY AND REACTIVITY

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| Chemical stability | Stable under normal conditions. |
| Reactivity | The product is non-reactive under normal conditions of use, storage and transport. |
| Possibility of hazardous reactions | No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. |
| Incompatible materials | Strong acids. Strong bases. Strong oxidizers. |
| Hazardous decomposition | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11. TOXICOLOGICAL INFORMATION

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| Acute toxicity (oral) | Not classified |
| Acute toxicity (dermal) | Not classified |
| Acute toxicity (inhalation) | Not classified |
| Skin corrosion/irritation | Not classified |
| Serious eye damage/irritation | Not classified |
| Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Not classified |
| STOT-single exposure | Not classified |
| STOT-repeated exposure | Not classified |

Aspiration hazard

Not classified

SECTION 12. ECOLOGICAL INFORMATION

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

Ecotoxicity

Ecology - general

Very toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment,
short-term (acute)

Very toxic to aquatic life.

Hazardous to the aquatic environment,
long-term(chronic)

Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Persistence and degradability

Rapidly degradable

Bioaccumulative potential

Bioaccumulative Potential

No data available on bioaccumulation.

Mobility in soil

Mobility

No data available.

Other adverse effects

Other adverse effects

None known.

Fluorinated greenhouse gases

False.

SECTION 13. DISPOSAL CONSIDERATIONS

Regional waste regulation

Disposal must be done according to official regulations.

Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations

Disposal must be done according to official regulations.

Product/Packaging disposal
recommendations

Disposal must be done according to official regulations.

Additional information

Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

General

Not classified as dangerous for transport within Australia.

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| UN number | 3082 |
| UN Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Transport hazard class | 9 |
| Packing group | III - Substances presenting low danger |
| Environmental hazards | Dangerous for the environment: Yes |

Transport by road and rail

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| UN-No. (ADG) | 3082 |
| Special provision (ADG) | 274, 331, 335, 375, AU01 |
| Limited quantities (ADG) | 5I |
| Excepted quantities (ADG) | E1 |
| Packing instructions (ADG) | P001, IBC03, LP01 |
| Special packing provisions (ADG) | PP1 |
| Portable tank and bulk container instructions (ADG) | T4 |
| Portable tank and bulk container special provisions (ADG) | TP1, TP29 |

Transport by sea

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|-----------------------------------|---------------|
| UN-No. (IMDG) | 3082 |
| Special provisions (IMDG) | 274, 335, 969 |
| Limited quantities (IMDG) | 5 L |
| Excepted quantities (IMDG) | E1 |
| Packing instructions (IMDG) | LP01, P001 |
| Special packing provisions (IMDG) | PP1 |
| IBC packing instructions (IMDG) | IBC03 |

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| Tank instructions (IMDG) | T4 |
| Tank special provisions (IMDG) | TP1, TP29 |
| EmS-No. (Fire) | F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE |
| EmS-No. (Spillage) | S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS |
| Stowage category (IMDG) | A |

Air transport

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| UN-No. (IATA) | 3082 |
| PCA Excepted quantities (IATA) | E1 |
| PCA Limited quantities (IATA) | Y964 |
| PCA limited quantity max net quantity (IATA) | 30kgG |
| PCA packing instructions (IATA) | 964 |
| PCA max net quantity (IATA) | 450L |
| CAO packing instructions (IATA) | 964 |
| CAO max net quantity (IATA) | 450L |
| Special provisions (IATA) | A97, A158, A197, A215 |
| ERG code (IATA) | 9L |

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial

Chemicals (AICIS Inventory) status All the chemicals contained in this product are listed introductions

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number Unscheduled

SECTION 16. OTHER INFORMATION

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|----------------------------|---|
| Revision date | 01/03/2025 |
| Revision | 2 |
| Supersedes date | 01/04/2020 |
| Complete hazard statements | H227 Combustible liquid. H317 May cause an allergic skin reaction. H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.