

# PY-T-50

## Safety Data Sheet

according to the WHS Regulations  
Issue date: 2/07/2025 Supersedes: 12/03/2025 Version: 8.3

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : PY-T-50  
Product code : 501, 502, 503, 504, 506, 507, 508, 509, 553, 555, 557, 558, 590, 250, 255, 521

#### 1.2. Other means of identification

Synonyms : Pale refined pyrethrins, PY WIP, PY Filtrate

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Industrial use  
Restrictions on use : Not to be used for any purpose other than the one the product was designed for

#### 1.4. Details of manufacturer or importer

Botanical Resources Australia  
44 Industrial Drive  
Ulverstone TAS 7315  
Australia  
T +61 3 6425 5888  
[sds@botanicalresources.com](mailto:sds@botanicalresources.com)

#### 1.5. Emergency phone number

Emergency number : CHEMTREC +1 (703) - 741-5970

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 4	H227
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin sensitisation, category 1B	H317
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410

#### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Exclamation mark    Health hazard    Environment

Signal word (GHS AU) :

Danger

Contains

Distillates (petroleum), hydro- treated light; Kerosine— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).] (30 – 60 %); Pyrethrins (50 %)

Hazard statements (GHS AU) :

H227 - Combustible liquid  
H304 - May be fatal if swallowed and enters airways  
H317 - May cause an allergic skin reaction  
H332 - Harmful if inhaled  
H410 - Very toxic to aquatic life with long lasting effects

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### Precautionary statements (GHS AU)

- : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 - Avoid breathing vapours, spray, mist.
- P271 - Use only outdoors or in a well-ventilated area.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P273 - Avoid release to the environment.
- P280 - Wear eye protection, protective clothing, protective gloves.
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 - Call a POISON CENTER if you feel unwell.
- P331 - Do NOT induce vomiting.
- P333+P313 - If skin irritation or rash occurs: Get medical advice.
- P362+P364 - Take off contaminated clothing and wash it before reuse.
- P370+P378 - In case of fire: Use dry extinguishing powder, foam, carbon dioxide (CO<sub>2</sub>) to extinguish.
- P391 - Collect spillage.
- P403+P235 - Store in a well-ventilated place. Keep cool.
- P405 - Store locked up.
- P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition and information on ingredients

Name	CAS-No.	%
Distillates, petroleum, hydrotreated light	64742-47-8	30 – 60
Pyrethrins	8003-34-7	50
Butylated Hydroxytoluene (BHT)	128-37-0	5 – 10

## SECTION 4: First aid measures

### 4.1. Description of necessary first-aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a physician immediately. Rinse mouth. Do not induce vomiting.

### 4.2. Symptoms caused by exposure

- Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after eye contact : None under normal conditions.
- Symptoms/effects after ingestion : Risk of lung oedema.

### 4.3. Medical attention and special treatment

- Other medical advice or treatment : Treat symptomatically.

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### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

- 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.

#### 5.3. Special protective equipment and precautions for fire-fighters

- 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

#### 6.1. Personal precautions, protective equipment and emergency procedures

- 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.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing mist, spray, vapours. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

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

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and materials for containment and cleaning up

- 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.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.  
Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing mist, spray, vapours. Avoid contact with skin and eyes.

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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.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.  
Information on mixed storage : Store away from incompatible materials and products. Refer to the detailed list of 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

### 8.1. Control parameters - exposure standards

Butylated Hydroxytoluene (BHT) (128-37-0)	
Australia - Occupational Exposure Limits	
Local name	2,6-Di-tert-butyl-p-cresol
OES TWA	10 mg/m <sup>3</sup>
Regulatory reference	Workplace exposure standards for airborne contaminants (2024)
Pyrethrins (8003-34-7)	
Australia - Occupational Exposure Limits	
Local name	Pyrethrum (Pyrethrins (ISO))
OES TWA	5 mg/m <sup>3</sup>
Remark (AU)	Sen - Respiratory and/or Skin Sensitiser.
Regulatory reference	Workplace exposure standards for airborne contaminants (2024)

### 8.2. Monitoring methods

Monitoring methods : Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents. Gas detectors should be used when toxic gases may be released. Gas detectors should be used when flammable gases/vapours may be released.

### 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Use spark-/explosionproof appliances and lighting system. Use grounded electrical/mechanical equipment.

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal 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.  
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 : Wear appropriate mask: Combined gas/dust mask with filter type

#### Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

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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

Physical state	: Liquid
Appearance	: Clear to cloudy.
Colour	: Amber
Odour	: Characteristic Slight, grass like
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 closed cup
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 15.1 mm²/s at 20°C
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

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
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 products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

Likely routes of exposure	: Dermal
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

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LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat	> 2.02 mg/l
ATE AU (dust,mist)	1.5 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

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Viscosity, kinematic	15.1 mm <sup>2</sup> /s at 20°C
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### Distillates, petroleum, hydrotreated light (64742-47-8)

Hydrocarbon	Yes
Viscosity, kinematic	1.6 – 3.4 mm <sup>2</sup> /s

Other information : Toxicity values from laboratory studies

## 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

### 12.1. 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.

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LC50 - Fish [1]	5.2 µg/l oncorhynchus mykiss (rainbow trout)
LC50 - Fish [2]	16 µg/l cyprinodon variegatus (sheepshead minnow)
EC50 - Crustacea [1]	28.09 µg/l daphnids (Daphnia magna)
LD50 dermal rat	> 5000 mg/kg
LD50 oral rat	> 2000 mg/kg

### 12.2. Persistence and degradability

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Persistence and degradability	Rapidly degradable
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### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone	: Not classified (classification not possible)
Other adverse effects	: No additional information available

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Fluorinated greenhouse gases	False
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### Butylated Hydroxytoluene (BHT)

Fluorinated greenhouse gases	False
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### Distillates, petroleum, hydrotreated light

Fluorinated greenhouse gases

False

### Pyrethrins



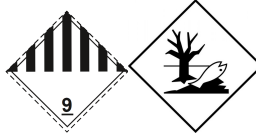
Fluorinated greenhouse gases

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

ADG	IMDG	IATA
<b>14.1. UN number</b>		
3082	3082	3082
<b>14.2. UN Proper Shipping Name</b>		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Pyrethrins. Not a Dangerous Good when transported by Road and Rail in packagings that do not incorporate a receptacle exceeding 500kg/(L) OR IBC's )	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.
<b>Transport document description</b>		
Not applicable	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III
<b>14.3. Transport hazard class(es)</b>		
9	9	9
		
<b>14.4. Packing group</b>		
III - Substances presenting low danger	III	III
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

### 14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

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### 14.7. Additional information

Other information : Australian Special Provision (SP AU01) AGD Code 7th Ed  
Environmentally Hazardous Substances meeting the descriptions of UN3077 or UN3082  
are not subject to this code when transported by road or rail in:  
(a) Packaging's  
(b) IBCs or  
(c) Any receptacle not exceeding 500 kg (L)

#### Transport by road and rail

UN-No. (ADG) : 3082  
Special provision (ADG) : 274, 331, 335, 375, AU01  
Limited quantities (ADG) : 5L  
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

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  
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

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

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : \* 3Z

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations

#### Australian Industrial Chemicals Introduction Scheme (AICIS)

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

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

Relevant Poisons Schedule number : Unscheduled

### 15.2. International agreements

No additional information available



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### SECTION 16: Other information

#### Data sources

: Safe Work Australia - Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals  
Safe Work Australia - Code of Practice - Labelling of Workplace Hazardous Chemicals  
Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants  
Safe Work Australia - Hazardous Chemical Information System (HCIS)  
Australian Inventory of Industrial Chemicals (AICIS Inventory)  
Environmental Protection Authority - Hazardous Substances (Hazard Classification) Notice 2020  
Environmental Protection Authority - Hazardous Substances (Safety Data Sheets) Notice 2017  
Environmental Protection Authority - Hazardous Substances (Labelling) Notice 2017  
New Zealand - Chemical Classification and Information Database (CCID)  
New Zealand - Inventory of Chemicals (NZIoC)  
European Chemicals Agency (ECHA) - Annex VI (C&L Inventory)  
European Chemicals Agency (ECHA) - REACH Study Results  
European Chemicals Agency (ECHA) - REACH Registration Dossiers  
United Nations - Globally Harmonised System of Classification and Labelling of Chemicals (GHS)  
Uniform Scheduling of Medicines and Poisons (SUSMP)  
United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG Model Regulation)  
Australian Dangerous Goods Code (ADG Code)  
International Air Transport Association Dangerous Goods Regulations (IATA DGR)  
International Maritime Dangerous Goods (IMDG Code).

#### Issue date

: 2/07/2025

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.