



International

SAFETY DATA SHEET PYGAR NATURAL INSECTICIDE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name PYGAR NATURAL INSECTICIDE

**New Zealand Environmental
Protection Approval Code** HSR101120

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Biocidal products (e.g. disinfectants, pest control).

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier PelGar International (NZ) Ltd
PO Box 11825
Ellerslie
Auckland 1022
New Zealand
+44 1420 80744
www.pelgar.co.uk

1.4. Emergency telephone number

Emergency telephone +64 (0) 21 670 105 : gerwyn@pelgar.co.uk

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

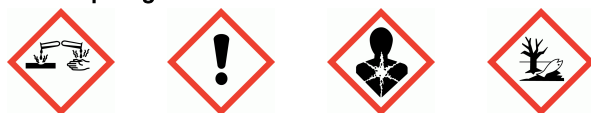
Physical hazards Not Classified

Health hazards Eye Dam. 1 - H318 Skin Sens. 1 - H317 Asp. Tox. 1 - H304

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

2.2. Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements

P261 Avoid breathing vapour/ spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics, Hydrocarbons, C11-C13, isoalkanes, <2%, KEMSURF CA-EH, LANSURF AE37, PYRETHRINS INCLUDING PYRETHROIDS, DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED, LANSURF AE35

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

Synonym

3.2. Mixtures

Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics		30-60%
CAS number: —	EC number: 927-676-8	
Classification Asp. Tox. 1 - H304		
Hydrocarbons, C11-C13, isoalkanes, <2%		10-30%
CAS number: —	EC number: 920-901-0	
Classification Asp. Tox. 1 - H304		
PIPERONYL BUTOXIDE		5-10%
CAS number: 51-03-6	EC number: 200-076-7	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		

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KEMSURF CA-EH			1-5%
CAS number: —			
Classification Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Chronic 3 - H412			
LANSURF AE37			1-5%
CAS number: 78330-21-9			
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318			
PYRETHRINS INCLUDING PYRETHROIDS			1-5%
CAS number: 8003-34-7		EC number: 289-699-3	
M factor (Acute) = 100		M factor (Chronic) = 100	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410			
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED			1-5%
CAS number: 64742-47-8		EC number: 265-149-8	REACH registration number: 01-2119453414-43-XXXX
Classification Asp. Tox. 1 - H304			
LANSURF AE35			1-5%
CAS number: 78330-21-9			
Classification Eye Dam. 1 - H318			

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Butyl Hydroxy Toluene		1-5%
CAS number: 128-37-0	EC number: 204-881-4	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Ingestion	Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
Skin contact	It is important to remove the substance from the skin immediately. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	May cause sensitisation or allergic reactions in sensitive individuals. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

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5.2. Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid contact with skin and eyes.
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6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store away from incompatible materials (see Section 10). Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class Miscellaneous hazardous material storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

PYRETHRINS INCLUDING PYRETHROIDS

Occupational Exposure Limits for pyrethrum: 8 hour TWA 1 mg/m³

OSHA permissible limit (Pyrethrins): TWA 5 mg/M³

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED

Distillates (petroleum), hydrotreated light: 100 ppm (525 mg/m³) for 8-hour TWA

Butyl Hydroxy Toluene

Short-term exposure limit (15-minute): 30 mg/m³

Ingredient comments

Butyl Hydroxy Toluene WEL 10mg/m³
Pyrethrins and Pyrethroids WEL 1mg/m³

PIPERONYL BUTOXIDE (CAS: 51-03-6)

DNEL

Industry Dermal Short Term Systemic Effects 55.556 mg/kg/day

Industry Inhalation. Short Term Systemic Effects 7.75 mg/m³

Industry Dermal Short Term Local Effects 444 µg/cm²

Industry Inhalation. Short Term Local Effects 3.875 mg/m³

Industry Dermal Long Term Systemic Effects 27.778 mg/kg/day

Industry Inhalation. Long Term Systemic Effects 3.875 mg/m³

Industry Dermal Long Term Local Effects 444 µg/cm²

Industry Inhalation. Long Term Local Effects 0.222 mg/m³

PNEC

Freshwater 0.003 mg/l

Marinewater 0.0003 mg/l

Intermittent release 0.0003 mg/l

STP 10 mg/l

Sediment (Freshwater) 0.0194 mg/kg

Sediment (Marinewater) 0.00194 mg/kg

Soil 0.136 mg/kg

Oral 12.53 mg/kg food

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Face shield and safety glasses with side-shields approved under EN166(EU) standard.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection

May cause skin sensitisation or allergic reactions in sensitive individuals. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

Environmental exposure controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless to pale yellow.
Odour	Hydrocarbons.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	> 65°C ISO 3679
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.

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Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.7 - 0.86 (target 0.794) @ 20°C
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	Not determined.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See the other subsections of this section for further details.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD ₅₀)	Based on available data the classification criteria are not met.
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ATE oral (mg/kg)	12,550.2
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Acute toxicity - dermal

Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
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Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (gases ppm) 303,234.5

ATE inhalation (vapours mg/l) 741.24

ATE inhalation (dusts/mists mg/l) 30.1

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Eye Dam. 1 - H318 Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation May cause skin sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation No specific symptoms known.

Ingestion May cause sensitisation or allergic reactions in sensitive individuals. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

Route of exposure Ingestion Inhalation Skin and/or eye contact

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Target organs

No specific target organs known.

Medical considerations

Skin disorders and allergies.

PYGAR NATURAL INSECTICIDE

Toxicity of ingredients

PIPERONYL BUTOXIDE (CAS: 51-03-6)

Acute toxicity:

Acute Toxicity (Oral LD50)

5360 mg/kg Rat

REACH dossier information

Based on available data the classification criteria are not met.

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

REACH dossier information

Based on available data the classification criteria are not met.

Acute Toxicity (Inhalation LC50)

> 5.9 mg/l (dust/mist) Rat 4 hours

REACH dossier information

Based on available data the classification criteria are not met.

Skin Corrosion/Irritation:

Erythema/scar score

No erythema (0).

Oedema score

No oedema (0).

REACH dossier information

Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

NOAEL 30 mg/kg/day Oral Rat

REACH dossier information

Based on available data the classification criteria are not met.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Two-generation study: NOAEL 1000 ppm Oral Rat P

REACH dossier information

Based on available data the classification criteria are not met.

Reproductive Toxicity - Development

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Maternal toxicity: NOAEL 200 mg/kg/day Oral Rat

REACH dossier information

No reproductive or developmental effects occurred at non-parentally toxic doses. Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure:

STOT - Single exposure

Data lacking.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 15.5 mg/kg Oral

REACH dossier information

Based on available data the classification criteria are not met.

PYRETHRINS AND PYRETHROIDS (CAS: 8003-34-7)

Acute toxicity:

Acute Toxicity (Oral LD50)

1030 mg/kg Rat

Harmful if swallowed.

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

Harmonised classification.

Harmful in contact with skin.

Acute Toxicity (Inhalation LC50)

2.5 mg/l (dust/mist) Rat 4 hours

Harmful if inhaled.

Skin Corrosion/Irritation:

Not irritating. Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Non-genotoxic.

Based on available data the classification criteria are not met.

Carcinogenicity:

No evidence of carcinogenicity in animal studies

Based on available data the classification criteria are not met.

Reproductive Toxicity:

No reproductive or developmental effects occurred at non-parentally toxic doses.

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure:

No data available.

Specific target organ toxicity - repeated exposure:

Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

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Toxicity Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Other adverse effects None known.

PYGAR NATURAL INSECTICIDE

Toxicity of ingredients

PIPERONYL BUTOXIDE (CAS: 51-03-6)

Acute Toxicity - Fish

LC50 96 hours = 3.94 mg/l

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours = 0.51 mg/l *Daphnia magna*

REACH dossier information

Acute Toxicity - Aquatic Plants

ErC50 72 hours = 3.89 mg/l *Selenastrum capricornutum*

REACH dossier information

Chronic Toxicity - Fish Early life Stage

NOEC 35 days = 0.18 mg/l *Pimephales promelas* (Fat-head Minnow)

REACH dossier information

Chronic Toxicity - Aquatic Invertebrates

NOEC 21 days = 0.03 mg/l

REACH dossier information

PYRETHRINS AND PYRETHROIDS (CAS: 8003-34-7)

Acute Toxicity - Fish

LC50 96 hours = 0.0052 mg/l *Onchorhynchus mykiss* (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours = 0.012 mg/l *Daphnia magna*

Chronic Toxicity - Fish Early life Stage

NOEC 35 days = 0.0019 mg/l *Pimephales promelas* (Fat-head Minnow)

Chronic Toxicity - Aquatic Invertebrates

NOEC 21 days = 0.00086 mg/l *Daphnia magna*

12.2. Persistence and degradability

Ecological information on ingredients.

PIPERONYL BUTOXIDE (CAS: 51-03-6)

Degradability

The product is not readily biodegradable.

Phototransformation

Air. Degradation (50%) = 3.6 hours

REACH dossier information

Water DT50 = 8.4 hours

REACH dossier information

Stability (Hydrolysis)

pH7 Half-life: > 500 days @ 25°C

REACH dossier information

PYRETHRINS AND PYRETHROIDS (CAS: 8003-34-7)

Degradability

The product is not readily biodegradable.

Biodegradation

Soil DT50 (lab) = 8.35 days

Water DT50 = 10.5 days

12.3. Bioaccumulative potential

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Partition coefficient

Not relevant

PIPERONYL BUTOXIDE (CAS: 51-03-6)

Bioaccumulation factor

BCF = 380 *Lepomis macrochirus* (Bluegill)

REACH dossier information

Partition coefficient

log Pow = 4.8

REACH dossier information

PYRETHRINS AND PYRETHROIDS (CAS: 8003-34-7)

Bioaccumulation factor

BCF = 471 (Whole fish)

Partition coefficient

log Pow = 4.30 - 6.42

12.4. Mobility in soil

Ecological information on ingredients.

PIPERONYL BUTOXIDE (CAS: 51-03-6)

Mobility:

Semi-mobile.

Adsorption/Desorption Coefficient

Soil Koc = 830

REACH dossier information

PYRETHRINS AND PYRETHROIDS (CAS: 8003-34-7)

Mobility:

Not considered mobile.

Adsorption/Desorption Coefficient

Koc = 35171

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

Ecological information on ingredients.

PIPERONYL BUTOXIDE (CAS: 51-03-6)

Not Classified as PBT/vPvB by current EU criteria.

PYRETHRINS AND PYRETHROIDS (CAS: 8003-34-7)

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Ecological information on ingredients.

PIPERONYL BUTOXIDE (CAS: 51-03-6)

PYGAR NATURAL INSECTICIDE

Not available.

PYRETHRINS AND PYRETHROIDS (CAS: 8003-34-7)

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	This material and its container must be disposed of as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Waste is suitable for incineration. Do not reuse empty containers. Contact specialist disposal companies. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

General	For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.
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14.1. UN number

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Pale Refined Pyrethrins and PIPERONYL BUTOXIDE)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Pale Refined Pyrethrins and PIPERONYL BUTOXIDE)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Pale Refined Pyrethrins and PIPERONYL BUTOXIDE)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Pale Refined Pyrethrins and PIPERONYL BUTOXIDE)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



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14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

PYGAR NATURAL INSECTICIDE

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
	RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
	IATA: International Air Transport Association.
	ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
	IMDG: International Maritime Dangerous Goods.
	CAS: Chemical Abstracts Service.
	ATE: Acute Toxicity Estimate.
	LC ₅₀ : Lethal Concentration to 50 % of a test population.
	LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose).
	EC ₅₀ : 50% of maximal Effective Concentration.
	PBT: Persistent, Bioaccumulative and Toxic substance.
	vPvB: Very Persistent and Very Bioaccumulative.
Classification abbreviations and acronyms	Asp. Tox. = Aspiration hazard
	Eye Dam. = Serious eye damage
	Skin Sens. = Skin sensitisation
	Aquatic Acute = Hazardous to the aquatic environment (acute)
	Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Classification procedures according to Regulation (EC) 1272/2008	Asp. Tox. 1 - H304: Eye Dam. 1 - H318: Skin Sens. 1 - H317: : Calculation method. Aquatic
	Acute 1 - H400: Aquatic Chronic 1 - H410: : Calculation method.
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Hazard statements in full	H302 Harmful if swallowed.
	H304 May be fatal if swallowed and enters airways.
	H315 Causes skin irritation.
	H317 May cause an allergic skin reaction.
	H318 Causes serious eye damage.
	H332 Harmful if inhaled.
	H335 May cause respiratory irritation.
	H400 Very toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.
	H412 Harmful 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.