



SAFETY DATA SHEET PIRETROX PU

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

1.1. Product identifier

Product name PIRETROX PU
Product number PYRPBO0033XXC

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

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

1.3. Details of the supplier of the safety data sheet

Supplier Hockley International Ltd
 Hockley House
 3 Longstone Road
 Ashbrook Office Park
 Manchester
 M22 5LB
 TEL: +44 (0) 161 209 7400
 FAX: +44 (0) 161 209 7401
 sds@hockley.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0)800 246 1274 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Classification (67/548/EEC or 1999/45/EC) N; R50/53

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H410 Very toxic to aquatic life with long lasting effects.

PIRETROX PU

Precautionary statements

P273 Avoid release to the environment.
 P391 Collect spillage.
 P501 Dispose of contents/ container in accordance with national regulations.
 P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P308+P313 IF exposed or concerned: Get medical advice/ attention.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PIPERONYL BUTOXIDE		3% min.
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	Classification (67/548/EEC or 1999/45/EC) N;R50/53.	
PYRETHRINS AND PYRETHROIDS		0.3% min.
CAS number: 8003-34-7	EC number: 232-319-8	
M factor (Acute) = 100	M factor (Chronic) = 100	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xn;R20/21/22. N;R50/53.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	First aid personnel should wear appropriate protective equipment during any rescue. Remove affected person from source of contamination. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Inhalation	Move affected person to fresh air at once. Get medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration.
Ingestion	Rinse mouth thoroughly with water. Get medical attention immediately. If breathing stops, provide artificial respiration. Do not induce vomiting.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

PIRETROX PU

Inhalation	Headache. Nausea, vomiting.
Ingestion	Numbness. Confusion, agitation and/or excitation. Muscle twitching. Convulsions. Central nervous system depression. Respiratory failure. Death.
Skin contact	Redness. Pain.
Eye contact	Redness. Pain.

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

Notes for the doctor	No specific chemical antidote is known to be required after exposure to this product. Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with carbon dioxide or dry powder. Use fire-extinguishing media suitable for the surrounding fire.
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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	Contain and collect extinguishing water. Avoid releasing into the environment. Do not discharge into drains or watercourses or onto the ground.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting	In case of fire and/or explosion do not breathe fumes.
Special protective equipment for firefighters	Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. Wear self-contained breathing apparatus.

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. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Stop leak if safe to do so.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb spillage with sand or other inert absorbent. Avoid the spillage or runoff entering drains, sewers or watercourses. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

PIRETROX PU

Usage precautions Handle and open container with care. Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands thoroughly after handling. Remove contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Do not release into the environment. Do not discharge into drains or watercourses or onto the ground.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10). Keep out of reach of children.

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 AND PYRETHROIDS

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³ purified of sensitising lactones

WEL = Workplace Exposure Limit

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

- Fresh water; 0.003 mg/l
 - Marine water; 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

Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Wear chemical splash goggles. (EN 166)

Hand protection

Wear protective gloves. (EN 374)

Other skin and body protection

Wear appropriate clothing to prevent skin contamination.

Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Use respiratory equipment with gas filter, type A2.

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Thermal hazards	No data available.
Environmental exposure controls	Do not release into the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	White/off-white.
Odour	Odourless.
Odour threshold	Not available.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	> 100°C CC (Closed cup).
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.00 g/cm ³ @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	Not available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known. Will not polymerise.
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10.4. Conditions to avoid

PIRETROX PU

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Decomposition at ambient temperatures may generate the following substances: Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Calculation method. Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Calculation method. Based on available data the classification criteria are not met.

Acute toxicity - inhalation

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

Skin corrosion/irritation

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

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation No specific test data are available.

Skin sensitisation

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

Germ cell mutagenicity

Genotoxicity - in vitro Calculation method.

Genotoxicity - in vivo Calculation method. Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility Calculation method.

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

Specific target organ toxicity - single exposure

STOT - single exposure Calculation method. Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Calculation method. Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Calculation method. Based on available data the classification criteria are not met.

Toxicological information on ingredients.

PIPERONYL BUTOXIDE

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Acute toxicity - oral

Notes (oral LD₅₀) REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

Notes (dermal LD₅₀) REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - inhalation

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

ATE inhalation (dusts/mists mg/l) 5.9

Skin corrosion/irritation

Animal data Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information. Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating. REACH dossier information. Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Buehler test: - Guinea pig: REACH dossier information. Not sensitising. Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information. 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.

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

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 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

PIRETROX PU

STOT - repeated exposure NOAEL 15.5 mg/kg, Oral, REACH dossier information. Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not applicable.

PYRETHRINS AND PYRETHROIDS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,030.0

Species Rat

Notes (oral LD₅₀) Harmful if swallowed.

ATE oral (mg/kg) 1,030.0

Acute toxicity - dermal

Notes (dermal LD₅₀) Harmonised classification. Harmful in contact with skin.

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 2.5

Species Rat

Notes (inhalation LC₅₀) Harmful if inhaled.

ATE inhalation (dusts/mists mg/l) 2.5

Skin corrosion/irritation

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

Serious eye damage/irritation

Serious eye damage/irritation Not irritating. Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Not sensitising. Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vivo : Non-genotoxic. Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - development 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 No data available.

Specific target organ toxicity - repeated exposure

PIRETROX PU

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Very toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

PIPERONYL BUTOXIDE

Acute aquatic toxicity

LE(C)₅₀ $0.1 < L(E)C_{50} \leq 1$

M factor (Acute) 1

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 aquatic toxicity

M factor (Chronic) 1

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

Acute aquatic toxicity

LE(C)₅₀ $0.001 < L(E)C_{50} \leq 0.01$

M factor (Acute) 100

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 aquatic toxicity

M factor (Chronic) 100

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

PIRETROX PU

Ecological information on ingredients.

PIPERONYL BUTOXIDE

Persistence and degradability	The product is not readily biodegradable.
Phototransformation	Water - Degradation (%) 50: = 3.6 hours REACH dossier information. Water - DT ₅₀ : = 8.4 hours REACH dossier information.
Stability (hydrolysis)	pH7 - Half-life >: 500 days @ 25°C @ °C REACH dossier information.

PYRETHRINS AND PYRETHROIDS

Persistence and degradability	The product is not readily biodegradable.
Biodegradation	Water - DT50 (lab) : = 8.35 days Water - DT ₅₀ : = 10.5 days

12.3. Bioaccumulative potential

Partition coefficient Not available.

Ecological information on ingredients.

PIPERONYL BUTOXIDE

Bioaccumulative potential	BCF: = 380, Lepomis macrochirus (Bluegill) REACH dossier information.
Partition coefficient	log Pow: = 4.8 REACH dossier information.

PYRETHRINS AND PYRETHROIDS

Bioaccumulative potential	BCF: = 471, (Whole fish)
Partition coefficient	log Pow: = 4.30 - 6.42

12.4. Mobility in soil

Ecological information on ingredients.

PIPERONYL BUTOXIDE

Mobility	Semi-mobile.
Adsorption/desorption coefficient	Water - Koc: = 830 @ °C REACH dossier information.

PYRETHRINS AND PYRETHROIDS

Mobility	Not considered mobile.
Adsorption/desorption coefficient	- Koc: = 35171 @ °C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

PIRETROX PU

Ecological information on ingredients.

PIPERONYL BUTOXIDE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

PYRETHRINS AND PYRETHROIDS

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

PIPERONYL BUTOXIDE

Other adverse effects Not available.

PYRETHRINS AND PYRETHROIDS

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Disposal methods Contact specialist disposal companies. Do not reuse empty containers. External recovery, treatment, recycling and disposal of waste should comply with all applicable local and/or national regulations.

SECTION 14: Transport information

General Environmentally Hazardous Substance Mark NOT required for single packagings and combination packagings containing inner packagings $\leq 5\text{L}$ for liquids, or $\leq 5\text{kg}$ for solids. (ADR special provision 375, IMDG code 2.10.2.7, IATA special provision A197)

Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of the Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class all provisions of this Code relevant to any additional hazards continue to apply.

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

PIRETROX PU

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PYRETHRINS)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PYRETHRINS)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PYRETHRINS)

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PYRETHRINS)

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



14.4. Packing group

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Not available.

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

Transport in bulk according to Not relevant.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
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PIRETROX PU

EU legislation	<p>Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. 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). 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).</p>
Health and environmental listings	Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (as amended). None of the ingredients are listed.
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<p>PBT - Persistent, bioaccumulative and toxic. vPvB - Very persistent and very bioaccumulative EN - European standard adopted by the European Committee for Standardisation. QSAR - quantitative structure-activity relationship</p>
Key literature references and sources for data	<p>International Chemical Safety Card. The International Union of Pure and Applied Chemistry (IUPAC) pesticide properties database - http://sitem.herts.ac.uk/aeru/iupac/index.htm World Health Organisation (WHO)/Food and Agriculture Organisation of the United Nations (FAO) Pesticide Data Sheet. Available from www.inchem.org. Directive 98/8/EC concerning the placing biocidal products on the market. Inclusion of active substances in Annex I or IA to Directive 98/8/EC. Assessment report. Rapporteur Member State assessment reports submitted for the EU peer review of active substances used in plant protection products, Draft Assessment Report - http://dar.efsa.europa.eu/dar-web/provision. Review report for active substances by the Directorate General for Health and Consumer Affairs (DG SANCO) - http://ec.europa.eu/sanco_pesticides/public/index.cfm?event=activesubstance.selection Disseminated REACH registration dossier - http://apps.echa.europa.eu/registered/registered-sub.aspx United States National Library of Medicine Hazardous Substances Data Bank (HSDB) - http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB Supplier safety data sheet (SDS). Source: European Chemicals Agency, http://echa.europa.eu/</p>
Revision comments	This is first issue.
Revision date	05/12/2017
Revision	1
Supersedes date	02/05/2017
SDS number	20711
Risk phrases in full	<p>R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>

PIRETROX PU

Hazard statements in full

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

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.