



SAFETY DATA SHEET MOSTYN PTP 15 ULV

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

1.1. Product identifier

Product name MOSTYN PTP 15 ULV

Product number PBRTPTE15UEA

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 Eye Dam. 1 - H318 Asp. Tox. 1 - H304

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

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

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

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Precautionary statements	<p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P331 Do NOT induce vomiting.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Supplemental label information	EUH066 Repeated exposure may cause skin dryness or cracking.
Contains	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT, ALCOHOLS, C11-14-ISO-C13 RICH, ETHOXYLATED, BENZENE SULPHONIC ACID, 4-C10-14-ALKYL DERIVATIVES, CALCIUM SALTS, ISO-BUTANOL, ALCOHOLS, C11-14-ISO-C13 RICH, ETHOXYLATED
Supplementary precautionary statements	<p>P273 Avoid release to the environment.</p> <p>P405 Store locked up.</p>

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	60-100%
CAS number: 64742-47-8 EC number: 265-149-8 REACH registration number: 01-2119484819-18-XXXX	
Classification Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R65. R66.
PIPERONYL BUTOXIDE	7.36
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.
1-R Trans phenothrin	4.58
CAS number: 26046-85-5 EC number: 247-431-2 M factor (Acute) = 100 M factor (Chronic) = 10	
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

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ALCOHOLS, C11-14-ISO-C13 RICH, ETHOXYLATED			1-5%
CAS number: 78330-21-9			
Classification	Classification (67/548/EEC or 1999/45/EC)		
Acute Tox. 4 - H302	Xn;R22. Xi;R41.		
Eye Dam. 1 - H318			
BENZENE SULPHONIC ACID, 4-C10-14-ALKYL DERIVATIVES, CALCIUM SALTS			1-5%
CAS number: 90194-26-6	EC number: 290-635-1		
Classification	Classification (67/548/EEC or 1999/45/EC)		
Skin Irrit. 2 - H315	Xi;R38,R41.		
Eye Dam. 1 - H318			
Aquatic Chronic 4 - H413			
TETRAMETHRIN			2.20
CAS number: 7696-12-0	EC number: 231-711-6		
M factor (Acute) = 100	M factor (Chronic) = 100		
Classification	Classification (67/548/EEC or 1999/45/EC)		
Aquatic Acute 1 - H400	N; R50/53		
Aquatic Chronic 1 - H410			
ISO-BUTANOL			1-5%
CAS number: 78-83-1	EC number: 201-148-0		
Classification	Classification (67/548/EEC or 1999/45/EC)		
Flam. Liq. 3 - H226	R10 Xi;R37/38,R41 R67		
Skin Irrit. 2 - H315			
Eye Dam. 1 - H318			
STOT SE 3 - H335, H336			
ALCOHOLS, C11-14-ISO-C13 RICH, ETHOXYLATED			1-5%
CAS number: 78330-21-9			
Classification	Classification (67/548/EEC or 1999/45/EC)		
Eye Dam. 1 - H318	Xi;R41.		
2,6-DI-TERT-BUTYL-P-CRESOL			<1%
CAS number: 128-37-0	EC number: 204-881-4	REACH registration number: 01-2119480433-40-XXXX	
M factor (Acute) = 1	M factor (Chronic) = 1		
Classification	Classification (67/548/EEC or 1999/45/EC)		
Aquatic Acute 1 - H400	N;R50/53.		
Aquatic Chronic 1 - H410			

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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	Remove affected person from source of contamination. CAUTION! First aid personnel must be aware of own risk during rescue! Place unconscious person on the 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	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately. If breathing stops, provide artificial respiration.
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. Get medical attention immediately. Continue to rinse.

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

Inhalation	Coughing. Difficulty in breathing. Sneezing.
Ingestion	Abdominal cramps. Nausea, vomiting.
Skin contact	Redness. Tingling.
Eye contact	Redness.

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

Notes for the doctor	Treat symptomatically. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	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.

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 may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

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	Wear full protective clothing (EN 469). Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

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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. Warn everybody of potential hazards and evacuate if necessary.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Stop leak if possible without risk.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with sand or other inert absorbent. Dike far ahead of larger spills for later disposal. 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. This material and its container must be disposed of as hazardous waste.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

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 listed in section 10 of this safety data sheet. Keep out of the reach of children. Protect from freezing and direct sunlight.

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

ISO-BUTANOL

Long-term exposure limit (8-hour TWA): WEL 50 ppm 154 mg/m³

Short-term exposure limit (15-minute): WEL 75 ppm 231 mg/m³

2,6-DI-TERT-BUTYL-P-CRESOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS: 64742-47-8)

DNEL

Consumer - Oral; Long term : 19 mg/kg/day

PIPERONYL BUTOXIDE (CAS: 51-03-6)

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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

1-R Trans phenothrin (CAS: 26046-85-5)

Ingredient comments No exposure limits known for ingredient(s).

TETRAMETHRIN (CAS: 7696-12-0)

Ingredient comments No exposure limits known for ingredient(s).

ISO-BUTANOL (CAS: 78-83-1)

DNEL Industry - Inhalation; Long term local effects: 310 mg/m³

2,6-DI-TERT-BUTYL-P-CRESOL (CAS: 128-37-0)

DNEL

Industry - Inhalation; Short term systemic effects: 2 mg/m³
 Consumer - Oral; Long term systemic effects: 0.3 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 3.5

PNEC

- Fresh water; 0.0041 mg/l
- Marine water; 0.0041 mg/l
- Sediment (Freshwater); 0.731 mg/kg
- Sediment (Marinewater); 0.731 mg/kg
- Soil; 0.35 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Avoid contact with eyes. Wear approved safety goggles (EN 166).

Hand protection

Wear protective gloves (EN 374).

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

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. It is recommended to use respiratory equipment with combination filter, type A2/P2. (EN 140/143)

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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	Greenish. Brown.
Odour	Slight.
Odour threshold	Not available. Not available.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	> 60°C ISO 3679
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.840 - 0.880 @ @ 20°C
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information

Other information	Not available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No data available.
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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

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight. Avoid freezing.
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10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

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.

ATE oral (mg/kg) 37,800.69

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 Calculation method. Causes serious eye damage.

Skin sensitisation

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

Germ cell mutagenicity

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

Specific target organ toxicity - single exposure

STOT - single exposure 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. May be fatal if swallowed and enters airways.

Toxicological information on ingredients.

PIPERONYL BUTOXIDE

Acute toxicity - oral

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

Acute toxicity - dermal

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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

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.

MOSTYN PTP 15 ULV**1-R Trans phenothrin****Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

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

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Species Rat

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

Acute toxicity - inhalation

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

Skin corrosion/irritation

Skin corrosion/irritation Not corrosive to skin. 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.

Respiratory sensitisation

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

Skin sensitisation

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

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.

Reproductive toxicity

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

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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.

MOSTYN PTP 15 ULV**PIPERONYL BUTOXIDE****Acute aquatic toxicity**LE(C)₅₀ 0.1 < L(E)C50 ≤ 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.**1-R Trans phenothrin****Acute aquatic toxicity**LE(C)₅₀ 0.001 < L(E)C50 ≤ 0.01

M factor (Acute) 100

Acute toxicity - fish LC₅₀, 96 hours: 0.0027 mg/l,Acute toxicity - aquatic invertebrates EC₅₀, 48 hour: 0.0046 mg/l, Daphnia magnaAcute toxicity - aquatic plants EC₅₀, 72 hour: > 0.011 mg/l, Pseudokirchneriella subcapitata**Chronic aquatic toxicity**

NOEC 0.001 < NOEC ≤ 0.01

Degradability Non-rapidly degradable

M factor (Chronic) 10

12.2. Persistence and degradability**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 - DT₅₀ : = 8.4 hours
REACH dossier information.

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Stability (hydrolysis) pH7 - Half-life >: 500 days @ 25°C @ °C
REACH dossier information.

1-R Trans phenothrin

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

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.

1-R Trans phenothrin

Bioaccumulative potential BCF: 190-530 l/kg (Miyamoto et. al., 1992), BCF: > 2000 l/kg (DAR, 2013), : 304,--
462.4 (EPISUITE),

Partition coefficient log Pow: 6.80 (pH 7.5)

12.4. Mobility in soil

Ecological information on ingredients.

PIPERONYL BUTOXIDE

Mobility Semi-mobile.

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

1-R Trans phenothrin

Mobility No data available.

12.5. Results of PBT and vPvB assessment

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.

1-R Trans phenothrin

Results of PBT and vPvB assessment On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%

12.6. Other adverse effects

Ecological information on ingredients.

PIPERONYL BUTOXIDE

Other adverse effects Not available.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

General information	Waste is classified 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. Dispose of waste via a licensed waste disposal contractor. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

General	Environmentally Hazardous Substance Mark NOT required for single packagings and combination packagings containing inner packagings ≤ 5L for liquids, or ≤ 5kg 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

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Tetramethrin)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Tetramethrin)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Tetramethrin)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Tetramethrin)

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
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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**

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 relevant.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations	HSE Approval No. 10529
EU legislation	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).
Health and environmental listings	Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer. As amended. Regulation (EC) 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals (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

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Abbreviations and acronyms used in the safety data sheet	PBT - Persistent, bioaccumulative and toxic. vPvB - Very persistent and very bioaccumulative EN - European standard adopted by the European Committee for Standardisation.
Key literature references and sources for data	International Chemical Safety Card. International Programme on Chemical Safety (IPCS) Environmental Health Criteria. World Health Organisation (WHO)/Food and Agriculture Organisation of the United Nations (FAO) Pesticide Data Sheet. United Kingdom National Poisons Information Service Document. International Program on Chemical Safety (IPCS) Health and Safety Guide. Available from www.inchem.org . United States Environmental Protection Agency (EPA) Reregistration Eligibility Decision (RED). The International Union of Pure and Applied Chemistry (IUPAC) pesticide properties database - http://sitem.herts.ac.uk/aeru/iupac/index.htm United States National Library of Medicine Hazardous Substances Data Bank (HSDB) - http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB C.D.S. Tomlin, 2009. The Pesticide Manual, 15th Edition (BCPC). Disseminated REACH registration dossier - http://apps.echa.europa.eu/registered/registered-sub.aspx Supplier safety data sheet (SDS).
Revision	This is the first issue.
SDS number	20795
Hazard statements in full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.

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.