

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Product name **ENTOMA-X MICRO CS**

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

Intended use **Insecticide**

1.3. Details of the supplier of the safety data sheet

Name **INDUPHARMA S.R.L.**
Full address **Via Sorgaglia, 40**
District and Country **35020 Arre (PD)**
Italia
Tel. 0495310415

e-mail address of the competent person

responsible for the Safety Data Sheet **sds@indupharma.eu**

1.4. Emergency telephone number

For urgent inquiries refer to **+39 049.531.0415 from 8.30 to 12.30 and from 14.00 to 17.00.**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Specific target organ toxicity - repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment, acute toxicity, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, chronic toxicity, category 1	H410	Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Warning

Hazard statements:

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

EUH204 Contains isocyanates. May produce an allergic reaction.

EUH208 Contains: REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE
May produce an allergic reaction.

Precautionary statements:

P102 Keep out of reach of children.

P260 Do not breathe dust / fume / gas / mist / vapours / spray.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P314 Get medical advice / attention if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice / attention.

P391 Collect spillage.

P501 Dispose of contents / container to in accordance with national regulations.

Contains: CYPERMETHRIN 40/60

The product is classified both in acute and long-term aquatic hazard categories: it is possible to use only hazard statement H410 on the label.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration $\geq$ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
CYPERMETHRIN 40/60		
INDEX 607-421-00-4	$9.5 \leq x < 10.5$	Acute Tox. 4 H302, Acute Tox. 4 H332, STOT RE 2 H373, STOT SE 3 H335, Aquatic Acute 1 H400 M=100000, Aquatic Chronic 1 H410 M=100000
EC 257-842-9		LD50 Oral: 500 mg/kg, ATE Inhalation vapours: 11 mg/l
CAS 52315-07-8		
REACH Reg. -		
ETHANEDIOL		

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INDEX 603-027-00-11 ≤ x < 5Acute Tox. 4 H302, STOT RE 2 H373 EC 203-473-3ATE Oral: 500 mg/kg CAS 107-21-1 REACH Reg. 01-2119456816-28-XXXX 5-BENZOIL-5-METHOXYPHENOL INDEX -0.5 ≤ x < 2.5Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411 EC 205-031-5 CAS 131-57-7 REACH Reg. 01-2119976330-39-XXXX 2,6-DI-TERT-BUTYL-P-CRESOL INDEX -0.2 ≤ x < 1Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1 EC 204-881-4 CAS 128-37-0 REACH Reg. 01-2119480433-40-XXXX TETRAMETHRIN INDEX 607-727-00-80.1 ≤ x < 0.2Carc. 2 H351, Acute Tox. 4 H302, STOT SE 2 H371, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100 EC 231-711-6LD50 Oral: 500 mg/kg CAS 7696-12-0 REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE INDEX 613-167-00-50 < x < 0.0015Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071 EC 911-418-6Skin Corr. 1C H314: ≥ 0.6%, Skin Irrit. 2 H315: ≥ 0.06% - < 0.6%, Skin Sens. 1A H317: ≥ 0.0015%, Eye Dam. 1 H318: ≥ 0.6%, Eye Irrit. 2 H319: ≥ 0.06% - < 0.6% CAS 55965-84-9LD50 Oral: 100 mg/kg, LD50 Dermal: 50 mg/kg, LC50 Inhalation mists/powders: 0.31 mg/l/4h			
The full wording of hazard (H) phrases is given in section 16 of the sheet.			
SECTION 4. First aid measures			
4.1. Description of first aid measures			
IF INHALED: Move the casualty away from the danger area. Provide fresh air. If in doubt or if you experience symptoms, consult a doctor. IN CASE OF CONTACT WITH SKIN: Remove contaminated clothing immediately. Wash immediately and abundantly with soap and water. In case of skin irritation, consult a dermatologist. In case of persistent irritation, apply an antihistamine cream or vitamin E. AFTER EYE CONTACT: Wash immediately and abundantly with water, opening the eyelids well. Remove contact lenses, if present, then continue rinsing eyes for at least 15 minutes. If irritation persists, consult a doctor. IF SWALLOWED: Rinse your mouth with water without swallowing. Contact a doctor or the nearest Poison Control Center immediately. Do not administer anything orally if the subject is unconscious and unless authorized by the doctor. Do not induce vomiting.			
Rescuer protection			
Information not available			
4.2. Most important symptoms and effects, both acute and delayed			

The product may be irritating to the eyes, skin and upper respiratory tract. Pyrethroids do not have high toxicity towards humans, but the ingestion of large quantities of the product can cause CNS symptoms. Paresthesia, hyperexcitability, tremors can occur following the blockage of nerve transmission caused by pyrethroids.

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

Consult a Poison Control Center. There are no antidotes for pyrethroid poisoning; treat them symptomatically.

Means to have available in the workplace for specific and immediate treatment

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEANS

The extinguishing media are traditional ones: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEANS

Full jet water. Water is not effective at extinguishing fire, but can be used to cool closed containers exposed to flames.

5.2. Special hazards arising from the substance or mixture

DANGERS DUE TO EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products.

Thermal combustion leads to the development of toxic and irritating vapors including carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x). Avoid breathing fumes or vapors. Exposure to combustion and decomposition products can cause damage to your health.

5.3. Advice for firefighters

Always wear full fire protection equipment. Remove the product from the fire area (if it does not constitute a danger) or cool with jets of water. water the containers, so as to prevent the heat from increasing the pressure inside them. Collect extinguishing water that must not be discharged into sewers. In any case, avoid coming into contact with the product or container without adequate protection.

FIRE PROTECTION EQUIPMENT:

Clothing for fighting fire such as open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN 469), flame retardant gloves (EN 659) and boots for firefighters.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger.

Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for workers and for emergency interventions.

Avoid contact with eyes and skin. Prevent access to the contaminated area. Do not position yourself against the wind. Wear gloves and safety glasses, protective mask.

FOR THOSE WHO INTERVENE DIRECTLY

Remove people not involved in the emergency response from the affected area. Alert the internal emergency personnel or the Fire Brigade.

FOR THOSE WHO INTERVENE DIRECTLY

Follow the provisions of the internal emergency plan. Wear adequate protective equipment (protective clothing, masks, gloves, glasses) to prevent contamination of the skin, eyes and personal clothing.

6.2. Environmental precautions

Do not dispose of in sewers or groundwater. Do not allow to drain into the soil/subsoil. If the product has flowed into a watercourse, into the sewer system or has contaminated the soil or vegetation, notify the competent authorities.

6.3. Methods and material for containment and cleaning up

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FOR CONTAINMENT
Collect the spilled product using non-sparking mechanical means and place it in containers for recovery and/or disposal.

FOR THE CLEANING
The contaminated area should be cleaned immediately with water or an aqueous detergent solution. Collect washing water and dispose of it. Provide sufficient ventilation.

6.4. Reference to other sections

Information not available

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all other sections of this safety data sheet. Avoid dispersing the product into the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas.
For recommended personal protective equipment (PPE), see section 8. When finished handling, wash hands and exposed body parts with soap and water.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Keep containers closed, in a well-ventilated place, away from direct sunlight. Store containers away from any incompatible materials, checking section 10.

TECHNICAL MEASURES AND STORAGE CONDITIONS
Keep away from heat sources, direct sunlight and humidity.

REQUIREMENTS FOR STORAGE AREAS AND CONTAINERS
Store the container in a cool, well-ventilated place.

INDICATIONS FOR COMMON SHOOTING
Keep away from food or feed and drinks.

FURTHER INFORMATION ON STORAGE CONDITIONS
Keep container tightly closed and in a well-ventilated place. Store in a closed container out of the reach of children. Keep/Store only in the original container.

7.3. Specific end use(s)

Whoever uses the product is responsible for any damage resulting from improper use of the preparation.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
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ETHANEDIOL					
Threshold Limit Value					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
OEL	EU	52	20	104	40
Predicted no-effect concentration - PNEC					
Normal value in fresh water				10	mg/l
Normal value in marine water				1	mg/l

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Normal value for fresh water sediment			37		mg/kg			
Normal value for marine water sediment			3.7		mg/kg			
Normal value of STP microorganisms			199.5		mg/l			
Health - Derived no-effect level - DNEL / DMEL								
Effects on consumers			Effects on workers					
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				7 mg/m3				35 mg/m3
Skin				53 mg/kg/d				106 mg/kg/d
2,6-DI-TERT-BUTYL-P-CRESOL								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
OEL	EU	2						
Predicted no-effect concentration - PNEC								
Normal value in fresh water			0.000199		mg/l			
Normal value in marine water			0.00002		mg/l			
Normal value for fresh water sediment			0.458		mg/kg/d			
Normal value for marine water sediment			0.046		mg/kg/d			
Normal value for water, intermittent release			0.00199		mg/l			
Normal value of STP microorganisms			0.017		mg/l			
Normal value for the food chain (secondary poisoning)			16.67		mg/kg			
Normal value for the terrestrial compartment			0.054		mg/kg/d			
Health - Derived no-effect level - DNEL / DMEL								
Effects on consumers			Effects on workers					
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0.25 mg/kg bw/d				
Inhalation				0.435 mg/m3				1.76 mg/m3
Skin				0.25 mg/kg bw/d				0.5 mg/kg bw/d
5-BENZOIL-5-METHOXYPHENOL								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
OEL	EU	10						
Predicted no-effect concentration - PNEC								
Normal value in fresh water			0.00067		mg/l			
Normal value in marine water			0.000067		mg/l			
Normal value for fresh water sediment			0.066		mg/kg			
Normal value for marine water sediment			0.007		mg/kg			
Normal value for water, intermittent release			0.0067		mg/l			
Normal value of STP microorganisms			10		mg/l			
Normal value for the terrestrial compartment			0.013		mg/kg			
Health - Derived no-effect level - DNEL / DMEL								
Effects on consumers			Effects on workers					
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic

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Oral	2 mg/kg bw/d	
Inhalation	6.8 mg/m3	27.7 mg/m3
Skin	20 mg/kg bw/d	39 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local extraction.

SUITABLE TECHNICAL CONTROLS

If local extraction is impossible or insufficient, the entire work area must be sufficiently ventilated artificially.

EYE/FACE PROTECTION

Use safety glasses.

HAND PROTECTION

Wear suitable protective gloves (European Standard EN 374) made of latex, PVC or equivalent. Replace them if there is internal contamination, if they break, or if external contamination cannot be removed. Wash your hands before eating, drinking or smoking.

SKIN PROTECTION

Wear suitable protective clothing.

RESPIRATORY PROTECTION

Filtering half mask recommendation (EN 149)

THERMAL DANGERS

There is no information available.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	beige	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	> 100 °C	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	6-7	
Kinematic viscosity	not available	
Solubility	not available	
Partition coefficient: n-octanol/water	not available	

Vapour pressure	not available
Density and/or relative density	0.95-1.05 g/cm ³
Relative vapour density	not available
Particle characteristics	not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity**10.1. Reactivity**

Information not available

10.2. Chemical stability

Information not available

10.3. Possibility of hazardous reactions

Information not available

10.4. Conditions to avoid

Information not available

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

With thermal decomposition or in the event of fire, gases and vapors potentially harmful to human health can be released.

SECTION 11. Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation - vapours) of the mixture:	> 20 mg/l
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	Not classified (no significant component)

ETHANEDIOL

LD50 (Dermal):	> 3500 mg/kg Mouse
LD50 (Oral):	7712 mg/kg Rat
ATE (Oral):	500 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LC50 (Inhalation mists/powders):	> 2.5 mg/l/6h Rat

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

LD50 (Dermal):	> 2000 mg/kg Rat
LD50 (Oral):	> 6000 mg/kg Rat
LC50 (Inhalation mists/powders):	59.7 ppm/30m Mouse

5-BENZOIL-5-METHOXYPHENOL

LD50 (Dermal):	> 16000 mg/kg Rabbit
LD50 (Oral):	> 12800 mg/kg Rat

CYPERMETHRIN 40/60

LD50 (Dermal):	> 2000 mg/kg Rat
LD50 (Oral):	500 mg/kg Rat
LC50 (Inhalation vapours):	3.3 mg/l Rat
ATE (Inhalation vapours):	11 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE

LD50 (Dermal):	50 mg/kg
LD50 (Oral):	100 mg/kg
LC50 (Inhalation mists/powders):	0.31 mg/l/4h

TETRAMETHRIN

LD50 (Dermal):	> 2000 mg/kg Rabbit
LD50 (Oral):	500 mg/kg ATE
LC50 (Inhalation mists/powders):	> 5.63 mg/l/4h Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TETRAMETHRIN

Suspected of causing cancer.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

May cause damage to organs

Target organs

CYPERMETHRIN 40/60

May cause damage to organs (nervous system) through prolonged or repeated exposure.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and highly toxic for aquatic organisms. In the long term, it has negative effects on the aquatic environment.

12.1. Toxicity

ETHANEDIOL

LC50 - for Fish

72860 mg/l/96h Pimephales promelas

EC50 - for Crustacea

> 100 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

> 6500 mg/l/72h Selesnastrum capricornutum

Chronic NOEC for Fish

15830 mg/l Pimephales promelas

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

EC50 - for Crustacea

0.48 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

> 0.4 mg/l/72h Desmodesmus subcapitatus

Chronic NOEC for Crustacea

0.069 mg/l Daphnia magna, 21d

5-BENZOIL-5-METHOXYPHENOL

LC50 - for Fish	3.8 mg/l/96h <i>Oryzias latipes</i>
EC50 - for Crustacea	1.87 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	0.67 mg/l/72h <i>Pseudokirchneriella subcapitata</i>

CYPERMETHRIN 40/60

LC50 - for Fish	0.0028 mg/l/96h <i>Oncorhynchus mykiss</i>
EC50 - for Crustacea	0.00471 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	> 0.033 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
Chronic NOEC for Fish	7.7E-05 mg/l <i>Pimphales promelas</i>
Chronic NOEC for Crustacea	5E-05 mg/l <i>Daphnia magna</i>

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE

LC50 - for Fish	0.58 mg/l/96h <i>Danio rerio</i>
EC50 - for Crustacea	1.02 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	0.379 mg/l/72h <i>Pseudokirchneriella subcapitata</i>
EC10 for Algae / Aquatic Plants	0.188 mg/l/72h <i>Pseudokirchneriella subcapitata</i>

TETRAMETHRIN

LC50 - for Fish	0.033 mg/l/96h <i>Brachydanio rerio</i>
EC50 - for Crustacea	0.47 mg/l/48h <i>Daphnia pulex</i> (pulce d'acqua)
EC50 - for Algae / Aquatic Plants	1.36 mg/l/72h <i>Scenedesmus subspicatus</i>
Chronic NOEC for Algae / Aquatic Plants	0.72 mg/l <i>Scenedesmus subcapitatus</i>

12.2. Persistence and degradability

ETHANEDIOL

Rapidly degradable

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

NOT rapidly degradable

5-BENZOIL-5-METHOXYPHENOL

Rapidly degradable

CYPERMETHRIN 40/60

NOT rapidly degradable

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE

NOT rapidly degradable

TETRAMETHRIN

Entirely degradable

12.3. Bioaccumulative potential

CYPERMETHRIN 40/60

Partition coefficient: n-octanol/water > 5.55 Log Kow

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse if possible. Product residues are to be considered special hazardous waste. The dangerousness of waste that partly contains this product must be assessed based on current legislative provisions.

Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations.

Transport of waste may be subject to ADR.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

Avoid dispersing the product on the ground, in sewers or waterways.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 3082

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity $\leq$ 5Kg or 5L, is not submitted to ADR provisions.

IMDG: In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity $\leq$ 5Kg or 5L, is not submitted to IMDG Code provisions.

IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity $\leq$ 5Kg or 5L, is not submitted to IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60; TETRAMETHRIN)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60; TETRAMETHRIN)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYPERMETHRIN 40/60; TETRAMETHRIN)

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: Environmentally Hazardous

IMDG: Marine Pollutant

IATA: Environmentally Hazardous



14.6. Special precautions for user

ADR / RID: HIN - Kemler: 90

Limited
Quantities: 5
lt

Tunnel
restriction
code: (-)

Special provision: 274, 335, 375, 601

IMDG: EMS: F-A, S-F

Limited
Quantities: 5
lt

IATA: Cargo:

Maximum
quantity: 450
L

Packaging
instructions:
964

Passengers:

Maximum
quantity: 450
L

Packaging
instructions:
964

Special provision:

A97, A158,
A197, A215

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: E1

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage $\geq$ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

The classification was carried out according to the calculation method established by EC Regulation 1272/2008 (CLP). Safety data sheet compliant with Regulation (EC) No. 1907/2006 (REACH) and subsequent amendments: Regulation (EC) no. 453/2010, Regulation (EC) n. 830/2015 and Regulation (EC) no. 878/2020. Labeling according to CE regulation n. 1272/2008 [CLP].

15.2. Chemical safety assessment

A chemical safety assessment has not been prepared for the mixture. If known, scenarios of the pure components of the mixture are available upon request.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Carc. 2	Carcinogenicity, category 2
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1C	Skin corrosion, category 1C
Skin Corr. 1	Skin corrosion, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1A	Skin sensitization, category 1A
STOT SE 2	Specific target organ toxicity - single exposure, category 2
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1

Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H351	Suspected of causing cancer.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH204	Contains isocyanates. May produce an allergic reaction.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
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9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
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14. Regulation (EU) 2018/669 (XI Atp. CLP)
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16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
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21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
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25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
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- The Merck Index. - 10th Edition
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- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 05 / 06 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.