

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

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

1.1 Product identifier

ENTOMA-X MICRO CS

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

CS insecticide.

1.3 Details of the supplier of the safety data sheet

Supplier

INDUPHARMA SRL

Street : Via Sorgaglia, 40

Postal code/city : 35020 Arre

Telephone : +39 049.53.10.415

Information contact : sds@indupharma.eu

1.4 Emergency telephone number

+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

Classification according to Regulation (EC) No 1272/2008 [CLP]

STOT RE 2 ; H373 - STOT-repeated exposure : Category 2 ; May cause damage to organs through prolonged or repeated exposure.

Aquatic Acute 1 ; H400 - Hazardous to the aquatic environment : Acute 1 ; Very toxic to aquatic life.

Aquatic Chronic 1 ; H410 - Hazardous to the aquatic environment : Chronic 1 ; Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Health hazard (GHS08) · Environment (GHS09)

Signal word

Warning

Hazard components for labelling

CYPERMETHRIN 40/60 ; CAS No. : 52315-07-8

Hazard statements

H373 May cause damage to organs (nervous system) through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

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

P273 Avoid release to the environment.

P314 Get medical advice/attention if you feel unwell.

P391 Collect spillage.

P501 Dispose of the product / container in accordance with the regulations.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

Special rules for supplemental label elements for certain mixtures

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 (3:1). May produce an allergic reaction.

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

CYPERMETHRIN 40/60 ; EC No. : 257-842-9; CAS No. : 52315-07-8

Weight fraction : $\geq 9,5 - < 10,5 \%$
Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Acute Tox. 4 ; H302 Acute Tox. 4 ; H332 STOT SE 3 ; H335 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410 (M=100000) • (ATE - inhalative (dust, mist) : 3,3 mg/l) • (ATE - oral : 500 mg/kg)

ETHYLENE GLYCOL ; REACH No. : 01-2119456816-28 ; EC No. : 203-473-3; CAS No. : 107-21-1

Weight fraction : $\geq 1 - < 3 \%$
Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Acute Tox. 4 ; H302

2-benzoyl-5-methoxyphenol ; REACH No. : 01-2119976330-39-XXXX ; EC No. : 205-031-5; CAS No. : 131-57-7

Weight fraction : $\geq 0,5 - < 1 \%$
Classification 1272/2008 [CLP] : Aquatic Acute 1 ; H400 Aquatic Chronic 2 ; H411 M=1

2,6-Di-tert-butyl-p-cresol ; REACH No. : 01-2119480433-40 ; EC No. : 204-881-4; CAS No. : 128-37-0

Weight fraction : $\geq 0,2 - < 0,5 \%$
Classification 1272/2008 [CLP] : Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

TETRAMETHRIN ; EC No. : 231-711-6; CAS No. : 7696-12-0

Weight fraction : $\geq 0,1 - < 0,2 \%$
Classification 1272/2008 [CLP] : Carc. 2 ; H351 STOT SE 2 ; H371 Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410 (M=100)

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9

Weight fraction : $< 0,0015 \%$
Classification 1272/2008 [CLP] : Acute 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 Aquatic Chronic 1 ; H410 EUH071

Specific Conc. Limits : Eye Dam. 1 ; H318: C $\geq 0,6 \%$ • Skin Corr. 1C ; H314: C $\geq 0,6 \%$ • Eye Irrit. 2 ; H319: C $\geq 0,06 \%$ • Skin Irrit. 2 ; H315: C $\geq 0,06 \%$ • Skin Sens. 1A ; H317: C $\geq 0,0015 \%$ • (M=100)

Additional information

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Remove victim out of the danger area. Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact

Remove contaminated, saturated clothing immediately. Rinse immediately with plenty of water and soap. In case of skin irritation, consult a physician. If irritation persists apply an antihistaminic lotion or vitamin E.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

After eye contact

Rinse immediately with plenty of water, with eyelids open. Remove contact lenses, if present, and rinse eyes with water at least for 15 minutes. If irritation persists, seek medical attention.

After ingestion

Rinse mouth with water, without swallowing. Seek medical attention or call a Poison Center immediately. Never give anything by mouth to an unconscious person or a person with cramps, if not authorized by a physician. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

The product can be irritating to eyes, skin and the first respiratory tracts. Pyrethroids are not highly toxic to people but the ingestion of large amounts of product may affect the Central Nervous System. Paraesthesia, hyper-excitability, tremors may appear following the blockage of nervous transmission caused by pyrethroids.

4.3 Indication of any immediate medical attention and special treatment needed

Call a Poison Center. No antidotes exist for intoxication by pyrethroids. A symptomatic treatment is required.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), extinguishing powder, water haze, foam.

Unsuitable extinguishing media

Full water jet. Water is inappropriate to extinguish fire, but it is suitable to cool down the containers exposed to the flames.

5.2 Special hazards arising from the substance or mixture

Toxic and irritant gases such as carbon oxide (CO), carbon dioxide (CO₂) and nitrogen oxides may be released by thermal combustion. Avoid breathing gases. Exposure to combustion and decomposition products may be dangerous for health.

5.3 Advice for firefighters

Always wear full fire-protection equipment. If it is safe, remove the products from the fire area or cool down the containers by means full water jets to prevent pressure rise inside the containers. Collect fire-extinction water, which should not be dumped into drains. Avoid contact with product or its container without suitable protective equipment.

Special protective equipment for firefighters

Fire resistant equipment such as self-contained breathing apparatus (EN 137), fire-resistant coverall (EN 469), fire-resistant gloves (EN 659) and firemen boots.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Block the access to contaminated areas. Do not stand against the wind. Wear gloves and safety goggles and protective mask.

For non-emergency personnel

Keep away people not involved in the emergency operation. Contact the emergency staff on duty or the Fire Department.

For emergency responders

Comply with the internal emergency plan. Wear suitable protection equipment (protective clothing mask, gloves, goggles) to prevent contamination of skin, eyes and personal clothing.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. If the product has reached a waterway, the sewage system or has contaminated soil or vegetation, advise local competent Authorities.

6.3 Methods and material for containment and cleaning up

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

For containment

Collect the spillage product with non-sparking tools into containers for recovery or disposal.

For cleaning up

The contaminated area should be immediately cleaned with water or cleaning agent. Retain contaminated washing water and dispose it. Provide adequate ventilation.

6.4 Reference to other sections

Further information regarding individual protection and disposal is given at paragraphs 8 and 13.

SECTION 7: Handling and storage



When using do not eat, drink, smoke.

7.1 Precautions for safe handling

Recommended safety equipment is reported at paragraph 8. After contact with skin, wash immediately with water and soap.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep away from heat, sun-light and humidity.

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place.

Hints on joint storage

Keep away from

Keep away from food, drinks and animal feeding stuff.

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place. Keep locked up and out of reach of children. Keep/Store only in original container.

7.3 Specific end use(s)

Recommendation

The product user is responsible for any damage resulting from improper use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL-/PNEC-values

DNEL/DMEL

2-benzoyl-5-methoxyphenol; CAS No. : 131-57-7

Limit value type :	DNEL Consumer (systemic)
Exposure route :	Oral
Exposure frequency:	Long term
Limit value :	7 mg/m ³
Limit value type :	DNEL Consumer (systemic)
Exposure route :	Dermal
Exposure frequency:	Long term
Limit value :	53 mg/kg
Limit value type :	DNEL worker (systemic)
Exposure route :	Inhalation

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

Exposure frequency: Long term
Limit value : 35 mg/m³
Limit value type : DNEL worker (systemic)
Exposure route : Dermal
Exposure frequency: Long term
Limit value : 106 mg/kg
2,6-Di-tert-butyl-p-cresol ; CAS No. : 128-37-0
Limit value type : DNEL Consumer (systemic)
Exposure route : Inhalation
Exposure frequency: Long term
Limit value : 8,7 mg/m³
Limit value type : DNEL Consumer (systemic)
Exposure route : Inhalation
Exposure frequency: Short term
Limit value : 215,1 mg/m³
Limit value type : DNEL Consumer (systemic)
Exposure route : Dermal
Exposure frequency: Long term
Limit value : 5 mg/kg bw/day
Limit value type : DNEL Consumer (systemic)
Exposure route : Dermal
Exposure frequency: Short term
Limit value : 61,9 mg/kg bw/day
Limit value type : DNEL Consumer (systemic)
Exposure route : Oral
Exposure frequency: Long term
Limit value : 5 mg/kg bw/day
Limit value type : DNEL Consumer (systemic)
Exposure route : Oral
Exposure frequency: Short term
Limit value : 61,9 mg/kg bw/day
Limit value type : DNEL worker (systemic)
Exposure route : Dermal
Exposure frequency: Short term
Limit value : 123,7 mg/kg bw/day
Limit value type : DNEL worker (systemic)
Exposure route : Inhalation
Exposure frequency: Long term
Limit value : 35,3 mg/m³
Limit value type : DNEL worker (systemic)
Exposure route : Inhalation
Exposure frequency: Short term
Limit value : 872,4 mg/m³
Limit value type : DNEL worker (systemic)
Exposure route : Dermal
Exposure frequency: Long term
Limit value : 10 mg/kg bw/day

PNEC

2-benzoyl-5-methoxyphenol ; CAS No. : 131-57-7
Limit value type : PNEC (Aquatic, freshwater)
Limit value : 0,00067 mg/l
Limit value type : PNEC (Aquatic, temporary release)
Limit value : 0,0067 mg/l

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

Limit value type :	PNEC (Aquatic, marine water)
Limit value :	0,00007 mg/l
Limit value type :	PNEC (Sediment, freshwater)
Limit value :	0,0066 mg/kg dry weight
Limit value type :	PNEC (Sediment, marine water)
Limit value :	0,007 mg/kg dry weight
Limit value type :	PNEC (Soil)
Limit value :	0,013 mg/kg dry weight
Limit value type :	PNEC (Sewage treatment plant)
Limit value :	10 mg/l
2,6-Di-tert-butyl-p-cresol ; CAS No. : 128-37-0	
Limit value type :	PNEC (Aquatic, Acqua dolce)
Limit value :	0,1 mg/l
Limit value type :	PNEC (Aquatic, marine water)
Limit value :	0,01 mg/l
Limit value type :	PNEC (Sediment, freshwater)
Limit value :	0,392 mg/kg dry weight
Limit value type :	PNEC (Sediment, marine water)
Limit value :	0,0392 mg/kg dry weight
Limit value type :	PNEC (Soil)
Limit value :	0,0197 mg/kg dry weight
Limit value type :	PNEC (Sewage treatment plant)
Limit value :	100 mg/l

8.2 Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Personal protection equipment



Eye/face protection

Suitable eye protection

Wear safety goggles.

Skin protection

Hand protection

Wear suitable protective gloves (DIN EN 374). Replace in case of internal contamination, break or if external contamination cannot be removed. Wash hands before eating, drinking or smoking.

Body protection

Wear suitable protective clothing.

Respiratory protection

Recommendation Filtering Half-face mask (DIN EN 149)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

Colour : pigmented
Odour : characteristic

Safety characteristics

Melting point/freezing point :	(1013 hPa)	No data available
Freezing point :	(1013 hPa)	No data available
Initial boiling point and boiling range :	(1013 hPa)	> 100 °C
Flash point :	>	60 °C
Auto-ignition temperature :		No data available
Lower explosion limit :		No data available
Upper explosion limit :		No data available
Vapour pressure :	(50 °C)	No data available
Density :	(20 °C)	No data available
Relative density :	(20 °C)	No data available
pH :		No data available
log P O/W :		No data available
Viscosity :	(20 °C)	No data available
Odour threshold :		No data available
Relative vapour density :	(20 °C)	No data available
Evaporation rate :		No data available

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions(See section 7).

10.2 Chemical stability

The product is stable if stored under normal ambient temperature and pressure conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

To prevent degradation, do not expose to high temperatures or frost.

10.5 Incompatible materials

PC 0.41 - Oxidizing agent

10.6 Hazardous decomposition products

The burning of the product may release toxic gasses dangerous for the human health.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Acute oral toxicity

Parameter :	LD50 (CYPERMETHRIN 40/60 ; CAS No. : 52315-07-8)
Exposure route :	Oral
Species :	Rat
Effective dose :	500 mg/kg
Parameter :	LD50 (TETRAMETHRIN ; CAS No. : 7696-12-0)
Exposure route :	Oral
Species :	Rat

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

Effective dose : > 2000 mg/kg

Acute dermal toxicity

Parameter : LD50 (CYPERMETHRIN 40/60 ; CAS No. : 52315-07-8)

Exposure route : Dermal

Species : Rat

Effective dose : 4920 mg/kg

Parameter : LD50 (TETRAMETHRIN ; CAS No. : 7696-12-0)

Exposure route : Dermal

Species : Rabbit

Effective dose : > 2000 mg/kg

Acute inhalation toxicity

Parameter : LC50 (CYPERMETHRIN 40/60 ; CAS No. : 52315-07-8)

Exposure route : Inhalation

Species : Rat

Effective dose : 3,3 mg/l

Exposure time : 4 h

Parameter : LC50 (TETRAMETHRIN ; CAS No. : 7696-12-0)

Exposure route : Inhalation

Species : Rat

Effective dose : > 2,73 mg/l

Corrosion

Skin corrosion/irritation

Available data show no specific hazards.

Serious eye damage/eye irritation

Available data show no specific hazards.

Irritation to respiratory tract

Available data show no specific hazards.

Respiratory or skin sensitisation

Skin sensitisation

Available data show no specific hazards.

Sensitisation to the respiratory tract

Available data show no specific hazards.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Carcinogenicity

The active ingredient Tetramethrin is classified as Car. 2 according to CLP.

Germ cell mutagenicity

Available data show no specific hazards.

Reproductive toxicity

Available data show no specific hazards.

STOT-single exposure

Available data show no specific hazards.

STOT-repeated exposure

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

Aspiration hazard

Available data show no specific hazards.

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

Do not allow uncontrolled discharge of product into the environment.

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (2-benzoyl-5-methoxyphenol ; CAS No. : 131-57-7)
Species : *Oryzias latipes* (Medaka)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 3,8 mg/l
Exposure time : 96 h
Parameter : Acute (short-term) fish toxicity (TETRAMETHRIN ; CAS No. : 7696-12-0)
Species : *Brachydanio rerio* (zebra-fish)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 0,033 mg/l
Exposure time : 96 h

Acute (short-term) toxicity to crustacea

Parameter : EC50 (2-benzoyl-5-methoxyphenol ; CAS No. : 131-57-7)
Species : *Daphnia pulex* (water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 1,87 mg/l
Exposure time : 24 h
Parameter : Acute (short-term) daphnia toxicity (TETRAMETHRIN ; CAS No. : 7696-12-0)
Species : *Daphnia pulex* (water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 0,47 mg/l
Exposure time : 48 h

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 (2-benzoyl-5-methoxyphenol ; CAS No. : 131-57-7)
Species : *Pseudokirchneriella subcapitata*
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 0,67 mg/l
Exposure time : 72 h
Parameter : Acute (short-term) algae toxicity (TETRAMETHRIN ; CAS No. : 7696-12-0)
Species : *Scenedesmus subspicatus*
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 1,36 mg/l
Exposure time : 72 h

Chronic (long-term) algae toxicity

Parameter : Chronic (long-term) algae toxicity (TETRAMETHRIN ; CAS No. : 7696-12-0)
Effective dose : 0,72 mg/l

Terrestrial toxicity

Toxicity to birds

Acute and subchronic bird toxicity

Parameter : LD50 (CYPERMETHRIN 40/60 ; CAS No. : 52315-07-8)
Species : *Apis mellifera* (bee)
Evaluation parameter : Oral
Effective dose : 0,0354 µG/in
Evaluation : Useful insect toxicity
Parameter : LD50 (CYPERMETHRIN 40/60 ; CAS No. : 52315-07-8)
Species : *Apis mellifera* (bee)
Evaluation parameter : Dermal
Effective dose : 0,02 µG/in

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

Exposure time :	24 h
Evaluation :	Useful insect toxicity
Parameter :	LD50 (CYPERMETHRIN 40/60 ; CAS No. : 52315-07-8)
Species :	Anas platyrhynchos (maillard duck)
Effective dose :	> 10000 mg/kg
Evaluation :	Acute and subchronic bird toxicity
Parameter :	Acute and subchronic bird toxicity (TETRAMETHRIN ; CAS No. : 7696-12-0)
Species :	Colinus virginianus (bobwhite quail)
Evaluation parameter :	Acute and subchronic bird toxicity
Effective dose :	> 2250 mg/kg

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Parameter :	Bioconcentration factor (BCF) (CYPERMETHRIN 40/60 ; CAS No. : 52315-07-8)
Value :	420
Parameter :	Bioconcentration factor (BCF) (2,6-Di-tert-butyl-p-cresol ; CAS No. : 128-37-0)
Value :	330 - 1800
Parameter :	Partition coefficient n-octanol /water (log P O/W) (2,6-Di-tert-butyl-p-cresol ; CAS No. : 128-37-0)
Value :	5,1 logPow
Parameter :	Partition coefficient n-octanol /water (log P O/W) (TETRAMETHRIN ; CAS No. : 7696-12-0)
Value :	4,6 logPow

12.4 Mobility in soil

Adsorption

Parameter :	Mobility in soil (CYPERMETHRIN 40/60 ; CAS No. : 52315-07-8)
Inoculum :	Mobility in soil
Effective dose :	60 D

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains.

Waste treatment options

Appropriate disposal / Product

Dispose according to legislation.

Appropriate disposal / Package

Dispose according to legislation.

SECTION 14: Transport information

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

14.1 UN number or ID number

UN 3082

14.2 UN proper shipping name

Land transport (ADR/RID)

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

Sea transport (IMDG)

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

Air transport (ICAO-TI / IATA-DGR)

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

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 9
Classification code : M6
Hazard identification number (Kemler No.) : 90
Special provisions : E 1 · ADR : - (SP 375 <= 5 l/kg)
Hazard label(s) : 9 / N

Sea transport (IMDG)

Class(es) : 9
EmS-No. : F-A / S-F
Special provisions : LQ 5 I · E 1 · IMDG : - (SP 2.10.2.7 <= 5 l/kg)
Hazard label(s) : 9 / N

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 9
Special provisions : E 1 · IATA : - (SP A197 <= 5 l/kg)
Hazard label(s) : 9 / N

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : Yes
Sea transport (IMDG) : Yes (P)
Air transport (ICAO-TI / IATA-DGR) : Yes

14.6 Special precautions for user

None

14.7 Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information

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

EU legislation

The classification was elaborated according to the calculation method of the Regulation (EC) No. 1272/2008 [CLP]. Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) and amendments: Regulation (CE) No. 453/2010, Regulation (CE) No. 830/2015 and Regulation (CE) No. 878/2020. Labelling according to Regulation (EC) No. 1272/2008 [CLP].

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



Trade name : ENTOMA-X MICRO CS
Revision date : 04/11/2022
Print date : 08/11/2022

Version : 1.0.0

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

First version

16.2 Abbreviations and acronyms

LEGENDA:

ADR:	Accord européen relative au transport international des marchandises dangereuses par route
ASTM:	ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)
EINECS:	European Inventory of Existing Commercial Chemical Substances
EC50:	Effective Concentration 50
LC50:	Lethal Concentration 50
IC50:	Inhibitor Concentration 50
NOEL:	No Observed Effect Level
DNEL:	Derived No Effect Level
DMEL:	Derived Minimum Effect Level
CLP:	Classification, Labelling and Packaging
CSR:	Chemical Safety Report
LD50:	Lethal Dose 50
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
Codice IMDG:	International Maritime Dangerous Goods code
PBT:	Persistent, bioaccumulative and toxic
RID:	Règlement concernant le transport International ferroviaire des marchandises Dangereuses
STEL:	Short term exposure limit
TLV:	Threshold limit value
TWA:	Time Weighted Average
UE:	European Union
vPvB:	Very persistent very bioaccumulative
N.D.:	No data available.
N.A.:	Not applicable
VwVwS.:	Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS)

16.3 Key literature references and sources for data

Data taken from the Safety Data Sheets of Suppliers.

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The classification was carried out according to the calculation method of the Regulation (EC) No. 1272/2008 [CLP].

16.5 Relevant H- and EUH-phrases (Number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EC) No. 2020/878



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H351	Suspected of causing cancer.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
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.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
