SAFETY DATA SHEET ACCORDING TO REGULATION (EC) 1907/2006

UNICHEM
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Product name: Microtech CY

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name

Microtech CY

https://my.chemius.net/p/sIxrMV/en/pd/en

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

Relevant identified uses

Insecticide.

Uses advised against

To be used only in accordance with instructions provided on the product label.
Any other use is prohibited.

1.3 Details of the supplier of the safety data sheet

Supplier

UNICHEM D.O.O.
Sinja Gorica 2
1360 Vrhnika, Slovenia
+386 1 755 81 50
unichem@unichem.si

1.4 Emergency Telephone Number

Emergency

111

Supplier

+386 1 755 81 50

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Skin Irrit. 2; H315 Causes skin irritation.
Eye Irrit. 2; H319 Causes serious eye irritation.
Carc. 2; H351 Suspected of causing cancer.
STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.
Aquatic Acute 1; H400 Very toxic to aquatic life.
Aquatic Chronic 1; H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Signal word: WARNING

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.
EUH208 Contains. May produce an allergic reaction.
P102 Keep out of reach of children.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe mist/vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulation.

Contains:
cypermethrin (ISO)
tetramethrin (ISO)

2.3 Other hazards

PBT/vPvB
No information.

Endocrine disrupting properties
The product does not contain substances with the potential for endocrine disorders.

Additional information
No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
cypermethrin (ISO)	52315-07-8 257-842-9 607-421-00-4	10	Acute Tox. 4; H302 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373 Aquatic Acute 1; H400; M = 100000 Aquatic Chronic 1; H410; M = 100000	oral: ATE = 500 mg/kg bw inhalation: ATE = 3.3 mg/l (dusts or mists)	/
piperonyl butoxide (ISO)	51-03-6 200-076-7 604-096-00-0 01-2119537431-46	10	Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 1; H410; M = 1 EUH066	/	/

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	- 918-481-9 -	5-<10	Asp. Tox. 1; H304 EUH066	/	/
tetramethrin (ISO)	7696-12-0 231-711-6 607-727-00-8	2,2	Acute Tox. 4; H302 Carc. 2; H351 STOT SE 2; H371 Aquatic Acute 1; H400; M = 100 Aquatic Chronic 1; H410; M = 100	/	/
ammonia	1336-21-6 215-647-6 007-001-01-2 01-2119488876-14	0,1-<1	Skin Corr. 1B; H314 STOT SE 3; H335 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 2; H411	STOT SE 3; H335; C ≥ 5%	B

Notes for substances

B	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: "nitric acid ... %". In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms occur, seek medical advice.

Following skin contact

Take off all contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms occur, seek medical attention.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Remove contact lenses, if present and easy to do. Seek medical help.

Following ingestion

Do not induce vomiting without prior consultation with a doctor. Rinse mouth thoroughly with water. Immediately consult a doctor. Show the physician the safety data sheet or label.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

Following skin contact

Itching, redness, pain. May cause sensitisation by skin contact (symptoms: itching, redness, rashes).

Following eye contact
Redness, tearing, pain.

Following ingestion
May cause abdominal discomfort. May cause drowsiness. Convulsions May cause headache, nausea, dizziness. May cause nausea/vomiting and diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

No information.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media
Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
In case of a fire toxic gases can be generated; do not inhale gases/smoke.

5.3 Advice for firefighters

Protective actions
In case of fire evacuate the area. In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for fire-fighters
Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Protective equipment
Use personal protective equipment (Section 8).

Precautionary measures
Ensure adequate ventilation.

Emergency procedures
No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Do not breathe vapour or mist. Avoid contact with skin and eyes. Do not touch or walk through spilled material. Evacuate the danger zone.

For emergency responders
During intervention, use personal protective equipment (Section 8).

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stem the spill if this does not pose risks. Contain spillages with non-combustible absorbents, e.g. sand, earth, vermiculite, diatomaceous earth.

For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Prevent release into the sewer, water, basements or confined areas. Clean contaminated area with plenty of water. Dispose in accordance with applicable regulations (see Section 13). Make sure the leakage site is well aired.

Other information

See Section 7: HANDLING AND STORAGE.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Ensure adequate ventilation.

Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

Other measures

No information.

Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety procedures. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Do not breathe vapours/mist. Wear suitable protective equipment; see Section 8. Remove contaminated clothes and wash them before reuse. Refer to instructions on label and regulations for safety and health at work.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Store in accordance with local regulations. Keep in tightly closed container. Keep in cool and well ventilated area. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children. Keep away from incompatible products (see section 10).

Packaging materials

The original container of producer.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

Storage temperature

No information.

Storage class

No information.

Further information on storage conditions

No information.

7.3 Specific end use(s)

Recommendations

No information.

Industrial sector specific solutions

No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values

Name	mg/m³	ml/m³	Short-term value mg/m³	Short-term value ml/m³	Remark	Biological Tolerance Values
Ammonia (1336-21-6)	18	25	25	35	/	/
Sodium hydroxide (1310-73-2)	/	/	2	/	/	/

Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	Value
piperonyl butoxide (ISO)	Worker	inhalation	long term systemic effects	/	1.6 mg/m³
piperonyl butoxide (ISO)	Worker	dermal	long term systemic effects	/	0.443 mg/kg bw/day
piperonyl butoxide (ISO)	Consumer	inhalation	long term systemic effects	/	0.388 mg/m³
piperonyl butoxide (ISO)	Consumer	dermal	long term systemic effects	/	0.221 mg/kg bw/day
piperonyl butoxide (ISO)	Consumer	oral	long term systemic effects	/	0.221 mg/kg bw/day
ammonia	Worker	inhalation	long term systemic effects	/	47.6 mg/m³
ammonia	Worker	inhalation	short term systemic effects	/	47.6 mg/m³
ammonia	Worker	inhalation	long term local effects	/	14 mg/m³
ammonia	Worker	inhalation	short term local effects	/	36 mg/m³
ammonia	Worker	dermal	long term systemic effects	/	6.8 mg/kg bw/day
ammonia	Worker	dermal	short term systemic effects	/	6.8 mg/kg bw/day
ammonia	Consumer	inhalation	long term systemic effects	/	23.8 mg/m³
ammonia	Consumer	inhalation	short term systemic effects	/	23.8 mg/m³
ammonia	Consumer	inhalation	long term local effects	/	2.8 mg/m³
ammonia	Consumer	inhalation	short term local effects	/	7.2 mg/m³

ammonia	Consumer	dermal	long term systemic effects	/	68 mg/kg bw/day
ammonia	Consumer	dermal	short term systemic effects	/	68 mg/kg bw/day
ammonia	Consumer	oral	long term systemic effects	/	6.8 mg/kg bw/day
ammonia	Consumer	oral	short term systemic effects	/	6.8 mg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	Value
piperonyl butoxide (ISO)	fresh water	/	0.001 mg/L
piperonyl butoxide (ISO)	marine water	/	0 mg/L
piperonyl butoxide (ISO)	water treatment plant	/	2.89 mg/L
piperonyl butoxide (ISO)	fresh water sediment	dry weight	0.043 mg/kg
piperonyl butoxide (ISO)	marine water sediment	dry weight	0.004 mg/kg
piperonyl butoxide (ISO)	soil	dry weight	0.111 mg/kg
ammonia	fresh water	/	0.001 mg/L
ammonia	water, intermittent release	fresh water	0.007 mg/L
ammonia	marine water	/	0.001 mg/L

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Handle in accordance with good industrial hygiene and safety practice. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Do not breathe vapours/aerosols. Keep away from foodstuffs, beverages and feed.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

Personal protective equipment

Eye and face protection

Safety glasses with side protection (EN 166).

Hand protection

Protective gloves (EN 374). The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately.

Appropriate materials

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

At elevated concentrations of vapours/aerosols in the air wear a mask (EN 140) with filter A2-P2 (EN 14387).
'High/elevated concentrations' means that the occupational exposure limit values have been exceeded.

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

If the products contaminates rivers and lakes or the sewage system, please notify the competent authorities.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	white
Odour	No information.
Odour threshold	No information.
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	No information.
Viscosity	No information.
Solubility	No information.
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	No information.
Density / weight	No information.
Relative vapour/gas density	No information.
Particle characteristics	No information.

9.2 Other information

Information with regard to physical hazard classes

No information.

Other safety characteristics

No information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

The product is stable under recommended storage and handling conditions.

10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

In case of fire/explosion vapours/gases that pose a health hazard are released.

SECTION 11: TOXICOLOGICAL INFORMATION

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

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
cypermethrin (ISO)	oral	ATE	/	/	500 mg/kg	/	/
cypermethrin (ISO)	dermal	LD_{50}	rat	/	> 2000 mg/kg	/	/
cypermethrin (ISO)	inhalation	ATE	/	/	3.3 mg/l	/	dust/mist
piperonyl butoxide (ISO)	oral	LD_{50}	rat	/	4570 mg/kg	OECD 401	/
piperonyl butoxide (ISO)	inhalation (dusts/mists)	LC_{50}	rat	4 h	> 5.9 mg/l	OECD 403	/
piperonyl butoxide (ISO)	dermal	LD_{50}	rabbit	/	> 2000 mg/kg	OECD 402	/
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	oral	LD_{50}	rat	/	5000 mg/kg	/	/
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	dermal	LD_{50}	rabbit	/	3160 mg/kg	/	/
tetramethrin (ISO)	dermal	LD_{50}	rat	/	> 2000 mg/kg	/	/
tetramethrin (ISO)	inhalation	LC_{50}	rat	/	> 5.63 mg/m^3	/	/

Additional information

The product is not classified as acutely toxic.

(b) Skin corrosion/irritation

For components

Name	Species	Time	result	Method	Remark
ammonia	rabbit	/	Corrosive	OECD 404	/

Additional information

Causes skin irritation.

(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	result	Method	Remark
ammonia	/	rabbit	/	It causes serious eye damage.	/	/

Additional information

Causes serious eye irritation.

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	result	Method	Remark
ammonia	-	guinea pig	/	Non sensitising.	/	/

Additional information

May cause an allergic skin reaction.

(e) (Germ cell) mutagenicity

For components

Name	Type	Species	Time	result	Method	Remark
ammonia	in-vitro mutagenicity	/	/	Negative.	OECD 471	Test substance: ammonia
ammonia	in-vivo mutagenicity	mouse	/	Negative.	OECD 474	Test substance: ammonium chloride

(f) Carcinogenicity

For components

Name	Exposure route	Type	Species	Time	Value	result	Method	Remark
ammonia	oral	-	rat	104 weeks	67 mg/kg bw/day	Negative	OECD 453	Test substance: ammonium sulfate

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	Type	Species	Time	Value	result	Method	Remark
ammonia	Teratogenicity	/	rabbit	/	/	Negative.	/	oral
ammonia	Effects on fertility	NOAEL	rat	/	408 mg/kg bw/day	Negative.	OECD 422	oral

Summary of evaluation of the CMR properties

Suspected of causing cancer.

(h) STOT-single exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	organ	Value	result	Method	Remark
ammonia	inhalation	-	/	/	/	/	/	May cause respiratory irritation.	/	/

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	organ	Value	result	Method	Remark
cypermethrin (ISO)	oral	NOAEL	rat	90 days	/	/	20 mg/kg bw/day	/	/	/
ammonia	inhalation	NOAEL	rat (male)	50 days	/	/	0.035 mg/L	/	/	Test substance: ammonia

Additional information

May cause damage to organs through prolonged or repeated exposure.

(j) Aspiration hazard

No information.

Additional information
Aspiration hazard: Not classified.

Symptoms related to the physical, chemical and toxicological characteristics
No information.

Interactive effects
No information.

11.2 Information on other hazards
Endocrine disrupting properties
The product does not contain substances with the potential for endocrine disorders.

Other information
No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
Acute (short-term) toxicity
For components

Name	Type	Value	Exposure time	Species	organism	Method	Remark
cypermethrin (ISO)	LC_{50}	2.83 µg/l	96 h	fish	*Oncorhynchus mykiss*	/	/
cypermethrin (ISO)	EC_{50}	4.71 µg/l	/	crab	*Daphnia magna*	/	/
piperonyl butoxide (ISO)	LC_{50}	3.94 mg/L	96 h	fish	*Cyprinodon variegatus*	OECD 203	/
piperonyl butoxide (ISO)	EC_{50}	0.51 mg/L	48 h	crustacea	*Daphnia magna*	OECD 202	/
piperonyl butoxide (ISO)	EC_{50}	3.89 mg/L	72 h	algae	*Selenastrum capricornutum*	OECD 201	/
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	LC_{50}	10 - 100 mg/L	/	bacteria	/	/	/
tetramethrin (ISO)	LC_{50}	0.033 mg/L	96 h	fish	*Brachydanio rerio*	/	/
tetramethrin (ISO)	EC_{50}	0.47 mg/L	48 h	crustacea	*Daphnia magna*	/	/
tetramethrin (ISO)	LC_{50}	> 1.36 mg/L	72 h	algae	*Scenedesmus subspicatus*	/	/
ammonia	LC_{50}	0.89 mg/L	96 h	fish	*Oncorhynchus mykiss*	/	Test substance: Ammonia
ammonia	LC_{50}	101 mg/L	48 h	crustacea	*Daphnia magna*	ASTM E729-80 ASTM E729-80	Test substance: Ammonia
ammonia	EC_{50}	2700 mg/L	/	algae	*Chlorella vulgaris*	/	Test substance: ammonium sulfate; static test

Chronic (long-term) toxicity
For components

Name	Type	Value	Exposure time	Species	organism	Method	Remark
piperonyl butoxide (ISO)	NOEC	0.18 mg/l	/	fish	*Pimephales promelas*	EPA OPP 72-4	/
piperonyl butoxide (ISO)	NOEC	0.03 mg/l	21 days	crustacea	*Daphnia magna*	/	/

piperonyl butoxide (ISO)	NOEC	0.824 mg/l	72 h	algae	*Selenastrum capricornutum*	OECD 201	/
ammonia	LOEC	0.022 mg/l	73 days	fish	*Oncorhynchus mykiss*	/	Test substance: ammonium chloride; flow-through test
ammonia	NOEC	0.79 mg/l	/	crustacea	*Daphnia magna*	EPA OPPTS 850.1300	Test substance: ammonium chloride; flow-through test

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
piperonyl butoxide (ISO)	/	/	/	Not rapidly biodegradable.	OECD 301 D	/
ammonia	-	/	/	readily biodegradable	/	/

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

Name	Value	Temperature °C	pH	Concentration	Method
piperonyl butoxide (ISO)	4.8	/	6.5	/	OECD 117
ammonia	-0.64	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	organism	Value	Duration	Evaluation	Method	Remark
piperonyl butoxide (ISO)	BCF	/	91 - 380	/	/	OECD 305 E	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

For components

Name	Type	Criterion	Value	Evaluation	Method	Remark
ammonia	Water	/	/	Mobile in water	/	/
ammonia	Soil	/	/	Adsorbs into the soil.	/	/

12.5 Results of PBT and vPvB assessment

No evaluation.

12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Very toxic to aquatic life with long lasting effects. Do not allow to reach ground water, water courses or sewage system. Water hazard class (WGK): 3 (Self-assessment), very hazardous for water.

For components

ammonia

Bioaccumulation is not expected.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems.

Waste codes / waste designations according to LoW

No information.

Packaging

Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

Disposal in accordance with the Rules on the management of waste.

Sewage disposal-relevant information

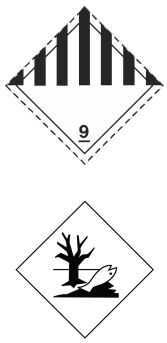
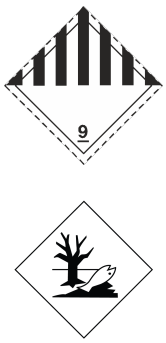
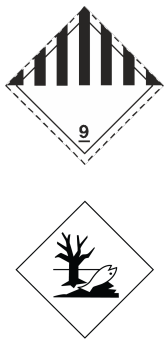
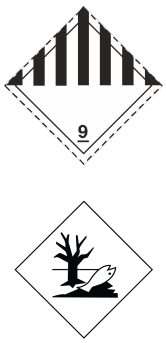
Do not discharge into drains.

Other disposal recommendations

No information.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
UN 3082	UN 3082	UN 3082	UN 3082
14.2 UN proper shipping name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cypermethrin (ISO), tetramethrin (ISO))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cypermethrin (ISO), tetramethrin (ISO))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cypermethrin (ISO), tetramethrin (ISO))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cypermethrin (ISO), tetramethrin (ISO))
14.3 Transport hazard class(es)			

9	9	9	9
			
14.4 Packing group			
III	III	III	III
14.5 Environmental hazards			
YES	Marine pollutant	YES	YES
14.6 Special precautions for user			
Limited quantities 5 L Special provisions 274, 335, 375, 601 Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Transport category 3 Tunnel restriction code (-) Classification code M6	Limited quantities 5 L EmS F-A, S-F	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y964 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 30 kg G Packing Instructions (Pkg Inst) 964 Maximum Net Quantity/Package (Max Net Qty/Pkg) 450 L Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 964 Cargo Aircraft Only, Maximum Net Quantity/Package (CAO, Max Net Qty/Pkg) 450 L Special provisions A97, A158, A197 Excepted quantities E1 ERG code 9L	Limited quantities 5 L
14.7 Maritime transport in bulk according to IMO instruments			
	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)
not applicable

Ingredients according to Regulation (EC) No 648/2004 on detergents
No information.

Special instructions
-

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes
2.2 Label elements 3.2 Mixtures 6.3 Methods and material for containment and cleaning up 8.1 Control parameters 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 12.1 Toxicity 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Key literature references and sources for data
No information.

Abbreviations and acronyms
ATE - Acute Toxicity Estimate
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient

LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
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.
EUH066 Repeated exposure may cause skin dryness or cracking.

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.