

Safety data sheet

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BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.01.2024

Version: 3.0

Product: **Tenopa SC**

(ID no. 30261767/SDS_GEN_00/EN)

Date of print 29.06.2024

1. Identification

Product identifier

Tenopa SC

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

Relevant identified uses: biocide

Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Crop Protection

Telephone: +49 621 60-27777

E-mail address: Produktinformation-Pflanzenschutz@basf.com

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 5 (oral)

Repr. Additional category for effects on or via lactation.

Aquatic Acute 1

Aquatic Chronic 1

For the classifications not written out in full in this section the full text can be found in section 16.

Label elements

Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Warning

Hazard Statement:

H303	May be harmful if swallowed.
H362	May cause harm to breast-fed children.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statement:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Precautionary Statements (Prevention):

P273	Avoid release to the environment.
P260	Do not breathe dust or mist.
P263	Avoid contact during pregnancy and while nursing.
P270	Do not eat, drink or smoke when using this product.
P264	Wash contaminated body parts thoroughly after handling.
P262	Do not get in eyes, on skin, or on clothing.

Precautionary Statements (Response):

P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P391	Collect spillage.
P308 + P313	IF exposed or concerned: Get medical attention.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Labeling of special preparations (GHS):

May cause paraesthesia. Contains: α -cypermethrin (ISO); racemate comprising (R)- α -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)- α -cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
May produce an allergic reaction. Contains: 1,2-Benzisothiazol-3(2H)-one

According to UN GHS criteria

Hazard determining component(s) for labelling: α -cypermethrin (ISO); racemate comprising (R)- α -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)- α -cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, flufenoxuron (ISO); 1-(4-(2-chloro- α , α , α -p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzolyl)urea

Other hazards

According to UN GHS criteria

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients

Substances

Not applicable

Mixtures

Chemical nature

biocide, insecticide, suspension concentrate (SC)

Hazardous ingredients (GHS)

According to UN GHS criteria

α -cypermethrin (ISO); racemate comprising (R)- α -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)- α -cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Content (W/W): 2,92 %	Acute Tox. 4 (Inhalation - dust)
CAS Number: 67375-30-8	Acute Tox. 3 (oral)
EC-Number: 257-842-9	Skin Corr./Irrit. 3
INDEX-Number: 607-422-00-X	STOT SE 3 (irr. to respiratory syst.)
	STOT RE (Nervous system) 2
	Aquatic Acute 1
	Aquatic Chronic 1
	M-factor acute: 10000
	M-factor chronic: 1000
	H301, H316, H332, H335, H373, H400, H410

flufenoxuron (ISO); 1-(4-(2-chloro- α , α , α -p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzolyl)urea

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Content (W/W): 2,92 %
CAS Number: 101463-69-8
EC-Number: 417-680-3

Repr. Add. cat. lact.
Aquatic Acute 1
Aquatic Chronic 1
M-factor acute: 10000
M-factor chronic: 10000
H362, H400, H410

| 1,2-benzisothiazol-3(2H)-one

Content (W/W): < 0,036 %
CAS Number: 2634-33-5
EC-Number: 220-120-9
INDEX-Number: 613-088-00-6

Acute Tox. 4 (oral)
Skin Corr./Irrit. 2
Eye Dam./Irrit. 1
Skin Sens. 1
Aquatic Acute 1
Aquatic Chronic 1
M-factor acute: 1
M-factor chronic: 1
H318, H315, H302, H317, H400, H410

Specific concentration limit:

Skin Sens. 1: >= 0,036 %

Propane-1,2-diol

Content (W/W): < 15 %
CAS Number: 57-55-6
EC-Number: 200-338-0

For the classifications not written out in full in this section the full text can be found in section 16.

4. First-Aid Measures

Description of first aid measures

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Hazards: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. (Further) symptoms and / or effects are not known so far

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

Special hazards arising from the substance or mixture

Carbon monoxide, Carbon dioxide, hydrogen chloride, Hydrogen fluoride, Hydrogen cyanide, nitrogen oxides, halogenated compounds, sulfur oxides, cyanides

The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Do not breathe vapour/spray.

Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and Storage

Precautions for safe handling

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No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Storage stability:

Storage duration: 36 Months

Protect from temperatures below: -10 °C

The product can crystallize below the limit temperature.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

57-55-6: Propane-1,2-diol

67375-30-8: alpha-Cypermethrin

TWA value 0,11 mg/m3 (BASF recomm. occupational exposure limit)

Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid	
Colour:	white	
Odour:	slight odour	
Odour threshold:	Not determined due to potential health hazard by inhalation.	
pH value:	approx. 6 - 8 (20 °C) (measured with the undiluted substance)	
Melting point:	The product has not been tested.	
Boiling point:	approx. 100 °C Information applies to the solvent.	
Flash point:	Non-flammable.	(Directive 92/69/EEC, A.9)
Evaporation rate:	not applicable	
Flammability:	not applicable	
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.	
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.	
Ignition temperature:	500 °C	(Directive 92/69/EEC, A.15)
Vapour pressure:	approx. 23 hPa (20 °C) Information applies to the solvent.	
Density:	approx. 1,03 g/cm ³ (20 °C)	
Relative vapour density (air):	not applicable	

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Solubility in water: dispersible
Partitioning coefficient n-octanol/water (log Kow): not applicable
Thermal decomposition: 195 °C, 30 kJ/kg (DSC (OECD 113))
400 °C, > 120 kJ/kg (DSC (OECD 113))
Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.
Viscosity, dynamic: approx. 100 mPa.s
(20 °C, 100 1/s)
Explosion hazard: not explosive (Directive 92/69/EEC, A.14)
Fire promoting properties: not fire-propagating (UN Test O.2 (oxidizing liquids))

Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

See SDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

strong bases, strong acids, strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

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Experimental/calculated data:

LD50 rat (oral): 4.478 mg/kg

| The statement for acute oral toxicity was derived from products of similar composition.

| LC50 rat (by inhalation): > 5,16 mg/l 4 h

Highest concentration technically achievable. An aerosol was tested.

LD50 rat (dermal): > 2.000 mg/kg

No mortality was observed.

Irritation

Assessment of irritating effects:

| Not irritating to eyes and skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Serious eye damage/irritation rabbit: non-irritant

Respiratory/Skin sensitization

Assessment of sensitization:

| No sensitizing effect.

Experimental/calculated data:

modified Buehler test guinea pig: Non-sensitizing.

Germ cell mutagenicity

Assessment of mutagenicity:

Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: flufenoxuron (ISO); 1-(4-(2-chloro- α , α -p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzoyl)urea

Assessment of carcinogenicity:

The induction of tumors in animal studies was due to a reversible, nongenotoxic effect for which a threshold dose can be derived. A carcinogenic potential can essentially be excluded after a single or short-term exposure to the substance at low concentrations.

Reproductive toxicity

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: flufenoxuron (ISO); 1-(4-(2-cloro- α , α , α -p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzoly)urea

Assessment of teratogenicity:

May cause harm to breastfed babies.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: α -cypermethrin (ISO); racemate comprising (R)- α -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)- α -cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Assessment of repeated dose toxicity:

Repeated oral exposure may affect certain organs. Damages the peripheral nerve system.

Information on: flufenoxuron (ISO); 1-(4-(2-cloro- α , α , α -p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzoly)urea

Assessment of repeated dose toxicity:

The substance may cause the formation of methemoglobin after repeated uptake of high doses.

Aspiration hazard

| not applicable

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information**Toxicity**

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: α -cypermethrin (ISO); racemate comprising (R)- α -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)- α -cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Toxicity to fish:

LC50 (96 h) 0,00093 mg/l, *Pimephales promelas* (OPP 72-1 (EPA-Guideline), Flow through.)

Information on: flufenoxuron (ISO); 1-(4-(2-cloro- α , α , α -p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzolyl)urea

Toxicity to fish:

LC50 (96 h) > 0,0049 mg/l, *Oncorhynchus mykiss* (Flow through.)

LC50 (96 h) > 0,00519 mg/l, *Brachydanio rerio* (OPP 72-1 (EPA-Guideline), Flow through.)

Information on: α -cypermethrin (ISO); racemate comprising (R)- α -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)- α -cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Aquatic invertebrates:

EC50 (48 h) 12,6 ng/l, *Chironomus riparius*

Information on: flufenoxuron (ISO); 1-(4-(2-cloro- α , α , α -p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzolyl)urea

Aquatic invertebrates:

EC50 (48 h) approx. 0,000051 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Information on: α -cypermethrin (ISO); racemate comprising (R)- α -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)- α -cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Aquatic plants:

EC50 (7 d) > 0,00139 mg/l (growth rate), *Lemna gibba* (OECD Guideline 201)

No observed effect concentration (7 d) > 0,00139 mg/l (growth rate), *Lemna gibba* (OECD Guideline 221, static)

EC50 (72 h) > 0,027 mg/l (growth rate), *Anabaena flos-aquae* (OECD Guideline 201)

Information on: flufenoxuron (ISO); 1-(4-(2-cloro- α , α , α -p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzolyl)urea

Aquatic plants:

EC50 (96 h) > 0,004 mg/l, *Selenastrum capricornutum*

Information on: α -cypermethrin (ISO); racemate comprising (R)- α -cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)- α -cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Chronic toxicity to fish:

No observed effect concentration (34 d) 0,03 μ g/L, *Pimephales promelas* (OPP 72-4 (EPA-Guideline), Flow through.)

Information on: flufenoxuron (ISO); 1-(4-(2-cloro- α , α , α -p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzolyl)urea

*Chronic toxicity to fish:**No observed effect concentration (34 d) > 0,00082 mg/l, Pimephales promelas (Flow through.)*
-----*Information on: α-cypermethrin (ISO); racemate comprising (R)-α-cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)-α-cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate**Chronic toxicity to aquatic invertebrates:**No observed effect concentration (21 d) 0,03 µg/L, Daphnia magna (OPP 72-4 (EPA-Guideline), semistatic)**Information on: flufenoxuron (ISO); 1-(4-(2-cloro-α, α,α-p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzoyl)urea**Chronic toxicity to aquatic invertebrates:**No observed effect concentration (21 d) < 0,00003 mg/l, Daphnia magna*
-----**Persistence and degradability***Assessment biodegradation and elimination (H2O):**The product has not been tested. The statement has been derived from the properties of the individual components.**Information on: α-cypermethrin (ISO); racemate comprising (R)-α-cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)-α-cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate**Assessment biodegradation and elimination (H2O):**Not readily biodegradable (by OECD criteria).**Information on: flufenoxuron (ISO); 1-(4-(2-cloro-α, α,α-p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzoyl)urea**Assessment biodegradation and elimination (H2O):**Not readily biodegradable (by OECD criteria).*
-----**Bioaccumulative potential***Assessment bioaccumulation potential:**The product has not been tested. The statement has been derived from the properties of the individual components.**Information on: α-cypermethrin (ISO); racemate comprising (R)-α-cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)-α-cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate**Bioaccumulation potential:**Bioconcentration factor: 155 - 910 (73 d), Cyprinus carpio (OECD Guideline 305 C)**Information on: flufenoxuron (ISO); 1-(4-(2-cloro-α, α,α-p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzoyl)urea**Bioaccumulation potential:**Bioconcentration factor: 25.720, Oncorhynchus mykiss**Accumulation in organisms is expected.*
-----**Mobility in soil**

Assessment transport between environmental compartments:

Adsorption in soil: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: α-cypermethrin (ISO); racemate comprising (R)-α-cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (S)-α-cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Assessment transport between environmental compartments:

Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Information on: flufenoxuron (ISO); 1-(4-(2-chloro-α, α,α-p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzoyl)urea

Assessment transport between environmental compartments:

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Results of PBT and vPvB assessment

The product contains a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria and the vPvB (very persistent/very bioaccumulative) criteria.

Information on: flufenoxuron (ISO); 1-(4-(2-chloro-α, α,α-p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzoyl)urea

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Fulfills the criteria for PBT and vPvB

Other adverse effects

The product does not contain substances that are listed in the Montreal Protocol on substances that deplete the ozone layer.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal Considerations

Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport

ADR

UN number or ID number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (ALPHA-CYPERMETHRIN, FLUFENOXURON)

Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

RID

UN number or ID number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (ALPHA-CYPERMETHRIN, FLUFENOXURON)

Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

Inland waterway transport

ADN

UN number or ID number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (ALPHA-CYPERMETHRIN, FLUFENOXURON)

Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

UN number or ID number: UN 3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (ALPHA-CYPERMETHRIN, FLUFENOXURON)

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Transport hazard class(es): 9, EHS
 Packing group: III
 Environmental hazards: yes
 Marine pollutant: YES
 Special precautions for user: EmS: F-A; S-F

Air transport

IATA/ICAO

UN number or ID number: UN 3082
 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA-CYPERMETHRIN, FLUFENOXURON)

Transport hazard class(es): 9, EHS
 Packing group: III
 Environmental hazards: yes
 Special precautions for user: None known

Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

Further information

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 L or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2.10.2.7; IATA: A197; TDG: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3)

15. Regulatory Information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Acute Tox.	Acute toxicity
Repr.	Reproductive toxicity
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic

 Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

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Product: **Tenopa SC**

(ID no. 30261767/SDS_GEN_00/EN)

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Skin Corr./Irrit.	Skin corrosion/irritation
STOT SE	Specific target organ toxicity — single exposure
STOT RE	Specific target organ toxicity — repeated exposure
Eye Dam./Irrit.	Serious eye damage/eye irritation
Skin Sens.	Skin sensitization
H301	Toxic if swallowed.
H316	Causes mild skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs (Nervous system) through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H362	May cause harm to breast-fed children.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

 Vertical lines in the left hand margin indicate an amendment from the previous version.