

Safety data sheet

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BASF Safety data sheet according to 91/155/EEC
Date / Revised: 26.06.2002
Product: TENOPA 30 SC

Version: 1.1

(30135560/SDS_CPA_EU/EN)

Date of print 12.07.2002

1. Substance/preparation and company identification

TENOPA 30 SC

Company:
BASF Aktiengesellschaft
Unternehmensbereich Pflanzenschutz
67056 Ludwigshafen
Telephone: 0621-60-79066/79146
Telefax number: 0621-60-79519
E-mail address: holger.gerlach@basf-ag.de

Emergency information:
Fire brigade BASF Ludwigshafen
Telephone: 0621-60-43333
Telefax number: 0621-60-92664

2. Composition/information on ingredients

Chemical nature

crop protection agents, insecticide, suspension concentrate (SC)

Hazardous ingredients

alpha-Cypermethrin

Content (W/W): 2,83 %
CAS Number: 67375-30-8
Hazard symbol(s): T, N
R-phrase(s): 25, 20, 50/53

Flufenoxuron

Content (W/W): 2,83 %
CAS Number: 101463-69-8
Hazard symbol(s): N
R-phrase(s): 50/53

propane-1,2-diol

Content (W/W): 11,7 %
CAS Number: 57-55-6
EINECS-number: 200-338-0

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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3. Hazards identification

Very toxic to aquatic organisms.

4. First-aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. In difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

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

On skin contact:

After contact with skin, wash immediately with water and soap.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention.

Note to physician:

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

5. Fire-fighting measures

Suitable extinguishing media:

water spray, carbon dioxide, foam

Specific hazards:

carbon monoxide, nitrogen oxides, sulfur oxides

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

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 separately contaminated extinguishing water, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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6. Accidental release measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:

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

7. Handling and storage

Handling

No special measures necessary if stored and handled as prescribed.

Storage

Segregate from foods and animal feeds.

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

Storage stability:

Storage duration: 24 Months

8. Exposure controls and personal protection

Components with workplace control parameters

Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Chemical resistant protective gloves (EN 374)

Eye protection:

Tightly fitting safety goggles (splash goggles) (EN 166)

Body protection:

light protective clothing, thick material

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Take off immediately all contaminated clothes. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or snuff-taking at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

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9. Physical and chemical properties

Form: liquid
Colour: white

Density: approx. 1,06 g/cm³
(20 °C)

Solubility in water: dispersible

10. Stability and reactivity

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:
No substances known that should be avoided.

Hazardous reactions:
No hazardous reactions known.

Hazardous decomposition products:
No hazardous decomposition products known.

11. Toxicological information

LD50/oral/rat/male/female: 4.478 mg/kg

LD50/dermal/rat/male/female: > 2.000 mg/kg

Primary skin irritation/rabbit: non-irritant

Primary irritations of the mucous membrane/rabbit: non-irritant

Sensitization/Guinea pig maximization test/guinea pig: Skin sensitizing effects were not observed in animal studies.

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Additional information:
Misuse can be harmful to health.

12. Ecological information

Ecotoxicity

Information on: *alpha-Cypermethrin*
Toxicity to fish:
Oncorhynchus mykiss/LC50 (96 h): 0,0028 mg/l

Information on: *Flufenoxuron*
Oncorhynchus mykiss/LC50 (96 h): > 0,0049 mg/l

Information on: *alpha-Cypermethrin*
Aquatic invertebrates:
Daphnia magna/LC50 (48 h): 0,0001 – 0,0003 mg/l

Information on: *Flufenoxuron*
Daphnia magna/EC50 (48 h): 0,00004 mg/l

Information on: *alpha-Cypermethrin*
Aquatic plants:
Pseudokirchneriella subcapitata/EC50 (96 h): > 0,1 mg/l

Information on: *Flufenoxuron*
Selenastrum capricornutum/EC50: > 0,004 mg/l

13. Disposal considerations

Must be dumped 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

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ADR	: Class	9
	Packaging group	III
	Substance no.	3082
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: ALPHA-CYPERMETHRINE)

RID	: Class	9
	Packaging group	III
	Substance no.	3082
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: ALPHA-CYPERMETHRINE)

Inland waterway transport

ADNR	: Class	9
	Item/Letter	11c)
	Packaging group	III
	Substance no.	3082
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: ALPHA-CYPERMETHRINE)

Sea transport

IMDG/GGVSee	: Class	9
	Packaging group	III
	UN-number	3082
	Marine pollutant	YES
	Exact technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALPHA-CYPERMETHRINE)

Air transport

ICAO/IATA	: Class	9
	Packaging group	III
	UN-number	3082
	Exact technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains ALPHA-CYPERMETHRINE)

15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations

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The product does not require a hazard warning label in accordance with EC Directives.

Other regulations

16. Other information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

T	Toxic.
N	Dangerous for the environment.
25	Toxic if swallowed.
20	Harmful by inhalation.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.