

**DLT+TCP OD 10+100 G****U-EU**Version 1 / D
1020000081501/7
Revision Date: 01.09.2004
Print Date: 26.05.2006**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information**

Trade name	DLT+TCP OD 10+100 G	U-EU
Product code (UVP)	06002463	
Usage	insecticide	
Company	Bayer CropScience AG Alfred-Nobel-Straße 50 40789 Monheim Germany	
Telephone	+49(0)69-305-5748	
Telefax	+49(0)69-305-80950	
Responsible Department	Material and Transport Safety Management +49(0)69-305-82369/12588	
Emergency telephone number	+49(0)2133-51-4233 (Sicherheitszentrale Dormagen, Bayer AG)	
Supplier	Bayer CropScience Deutschland GmbH Elisabeth-Selbert-Straße 4a D-40764 Langenfeld Germany Telephone: 02173 / 20760	

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Oil dispersion (OD)
Thiacloprid 100 g/l, Deltamethrin 10 g/l**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Thiaclopride	111988-49-9	Xn	R20/22, R40, R52/53	10,40
Deltamethrin	52918-63-5 258-256-6	T, N	R23/25, R50/53	1,00
alkylaryl sulfonate		Xi	R38, R41	11,30
2-ethylhexanol propylene ethyleneglycol ether	64366-70-7	Xn	R20, R52/53	23,00

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

Harmful if swallowed.
Irritating to eyes and skin.
Limited evidence of a carcinogenic effect.
May cause sensitization by skin contact.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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4. FIRST AID MEASURES

General advice

Move out of dangerous area. If the patient is likely to become unconscious, place and transport in stable sideways position. Also heed the risks to your own person. Remove soiled or soaked clothing immediately.

Inhalation

Remove to fresh air. Keep patient warm and at rest. Call a physician immediately.

Skin contact

Wash off immediately with soap and plenty of water. Take medical treatment.

Eye contact

In case of contact with eyes rinse thoroughly with water. Call a physician immediately.

Ingestion

Do not induce vomiting. Wash out mouth with water. Call a physician immediately.

Notes to physician

Treatment

Elementary aid, decontamination and symptomatic treatment.
Gastric lavage, then charcoal (carbo medicalis) and sodium sulfate.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

water spray
carbon dioxide (CO₂)
foam
sand

Specific hazards during fire fighting

In the event of fire the following can be released:
hydrogen chloride (HCl)
hydrogen cyanide (hydrocyanic acid)
carbon monoxide (CO)
sulphur dioxide (SO₂)
nitrous gases (NO_x)

Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.
Use breathing apparatus.

Further information

Contain the spread of the fire-fighting media.
Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with spilled product or contaminated surfaces.
Wear personal protective equipment. Unprotected persons must be kept away.

Environmental precautions

Do not discharge into the drains/surface water/groundwater.



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Methods for cleaning up

Take up with absorbent material (e.g. sand, earth or a proprietary absorbent material).
Clean contaminated floors and objects thoroughly, observing environmental regulations
Pack spilled material in suitable containers for recovery or disposal.

Additional advice

Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling

Advice on safe handling

Use only in area provided with appropriate exhaust ventilation.

Storage

Requirements for storage areas and containers

Store in a place accessible by authorized persons only.
Keep containers tightly closed in a cool, well-ventilated place.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

German storage class

10 Combustible liquids neither in Storage Class 3A nor 3B

Suitable materials

Only use containers that are approved specifically for the substance/ product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

If product is handled while not enclosed, and if skin contact may occur:

Full mask
Multi-range filter ABEK/P2

Hand protection

Suitable chemical resistant gloves

Hygiene measures

Avoid contact with skin, eyes and clothing.
Keep working clothes separately.
Wash hands immediately after work, if necessary take a shower
Remove soiled or soaked clothing immediately and clean thoroughly before using again.
Garments that cannot be cleaned must be destroyed (burnt).

Protective measures

If product is handled while not enclosed, and if skin contact may occur:
complete suit protecting against chemicals

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

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Form	suspension
Colour	white
Odour	slight, original odour
Safety data	
Flash point	103 °C 92/69/EEC, A.9 / EPA OPPTS 830.6315
Ignition temperature	405 °C
Water solubility	miscible
Surface tension	21,5 mN/m Determined in the undiluted form
Explosivity	92/69/EEC, A.14 / OECD 113 Not explosive

10. STABILITY AND REACTIVITY

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 (rat) > 300 - < 2.000 mg/kg
Acute dermal toxicity	LD50 (rat) > 4.000 mg/kg
Skin irritation	irritating (rabbit)
Eye irritation	irritating (rabbit)
Sensitization	sensitizing (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 0,386 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea (<i>Daphnia magna</i>)) 0,0427 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (<i>Pseudokirchneriella subcapitata</i>) > 100 mg/l Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient thiacloprid.
Toxicity to algae	EC50 (<i>Pseudokirchneriella subcapitata</i>) 9,1 mg/l Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient deltamethrin.

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Dispose of by incineration in an authorised special waste incineration plant. Comply with local legislation.

For larger quantities contact manufacturer.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION**ADR/RID/ADNR**

UN-No	3082
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN)

IMDG

UN-No	3082
Class	9
Packaging group	III
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN)

IATA

UN-No	3082
Class	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN)

15. REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification:

Labelling according to EEC Directive

Hazardous components which must be listed on the label:

- Thiaclopride
- Deltamethrin

Symbol(s)

Xn	Harmful
N	Dangerous for the environment

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R-phrase(s)

R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S24	Avoid contact with the skin.
S35	This material and its container must be disposed of in a safe way.
S36/37	Wear suitable protective clothing and gloves.
S57	Use appropriate containment to avoid environmental contamination.

Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

Further information

WHO-classification: II (Moderately hazardous)

National legislation

Water contamination class (Germany) WGK 3 highly water endangering

Legislation on the control of major-accident hazards involving dangerous substances Subjected to the "Disasters and Major Accidents Act "

Other regulations

BG-Leaflet M 039 "Teratogenic - Observe safety regulations at work place"
 BG Leaflet M050 "Handling of Hazardous Substances"
 BG Leaflet M053 "General Protective Measures for the handling of hazardous substances"

16. OTHER INFORMATION**Further information**

Text of R phrases mentioned in Section 2:

R20	Also harmful by inhalation.
R20/22	Harmful by inhalation and if swallowed.
R23/25	Toxic by inhalation and if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The advice on classification in section 15 of this Safety Data Sheet is based on European Directive on Preparations (1999/45/EC and its subsequent adaptations). The legislation on pesticide preparations should be applied by EU Member States not later than 30 July 2004.

The information given in this Data Sheet has been included in accordance with the guidelines established by EC Directive 1991/155/EC as amended. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the



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possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

Changes since the last version will be highlighted in the margin. This version replaces all previous versions.