

**ENVIDOR® SC 240****Ukraine**

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Version 1 / EU
102000007496

Revision Date: 04.08.2006

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name ENVIDOR® SC 240

Product code (UVP) 05304954

Usage insecticide

Company Bayer CropScience AG
Alfred-Nobel-Straße 50
40789 Monheim am Rhein
Germany

Telephone +49(0)2173-38-3373

Telefax +49(0)2173-38-7394

Responsible Department Material and Transport Safety Management
+49(0)2173-38-3409/4566

Emergency telephone number +49(0)2133-51-4233 (Sicherheitszentrale Dormagen, Bayer AG)

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

Suspension concentrate (=flowable concentrate)(SC)

Spirodiclofen 240 g/l

Hazardous components

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Spirodiclofen	148477-71-8	Xn	R40, R43	22,30
Ethoxylated polyarylphenol	99734-09-5		R52/53	3,00

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

Limited evidence of a carcinogenic effect.

May cause sensitization by skin contact.

4. FIRST AID MEASURES**General advice**

Move out of dangerous area. Remove contaminated clothing immediately and dispose of safely.

Place and transport victim in stable position (lying sideways).

Inhalation

Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

Skin contact

Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400,



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subsequently rinse with water.

Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion

Do NOT induce vomiting. Rinse mouth. Call a physician or poison control center immediately.

Notes to Physician

Treatment

Treat symptomatically.

Gastric lavage is not normally required. If a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.

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)
carbon monoxide (CO)

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.

Keep away sources of ignition.

Environmental Precautions

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

Methods for Cleaning Up

Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material).

Clean contaminated floors and objects thoroughly, observing environmental regulations.

Keep in suitable, closed containers for disposal.

Additional Advice

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.



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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

Keep container tightly closed in a dry and well-ventilated place.

Store in original container.

Store in a place accessible by authorized persons only.

Keep away from direct sunlight.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Storage stability

Storage temperature 0 - 40 °C

Suitable materials

HDPE (high density polyethylene)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory Protection

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

Full mask

Multi-range filter ABEK/P2

Hand Protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

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 and/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 contact may occur:

complete suit protecting against chemicals

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form

liquid, suspension

Colour

white to light beige

Odour

weak, characteristic

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Safety data

pH	4,0 - 5,5 at 100 %
Flash point	> 100 °C DIN EN ISO 2719 (2003-09) No flash point - Determination conducted up to the boiling point.
Density	ca. 1,08 g/cm ³ at 20 °C
Water solubility	miscible

10. STABILITY AND REACTIVITY

Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions.
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11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) > 2.500 mg/kg
Acute Inhalation Toxicity	LC50 (rat) > 3,146 mg/l Determined in the form of a respirable aerosol. Highest attainable concentration.
Acute Dermal Toxicity	LD50 (rat) > 4.000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	No eye irritation. (rabbit)
Sensitization	sensitizing (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to Fish	LC50 (Lepomis macrochirus (Bluegill sunfish)) > 262 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea (Daphnia magna)) > 450,5 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (Pseudokirchneriella subcapitata) > 20,8 mg/l Growth rate Exposure time: 96 h No acute toxicity was observed at its limit of water solubility.

13. DISPOSAL CONSIDERATIONS

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In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION

ADNR	Not dangerous goods
ADR	Not dangerous goods
GGVE	Not dangerous goods
GGVS	Not dangerous goods
IATA_C	Not dangerous goods
IATA_P	Not dangerous goods
IMDG	Not dangerous goods
RID	Not dangerous goods

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

Classification:

Labelling according to EC Directives

Hazardous components which must be listed on the label:

- Spirodiclofen

Symbol(s)

Xn Harmful

R-phrases(s)

R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitization by skin contact.

S-phrases(s)

S36 Wear suitable protective clothing.
S37 Wear suitable gloves.

Exceptional labelling

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

Further information

WHO-classification: III (Slightly hazardous)

16. OTHER INFORMATION**Further information**

Text of R phrases mentioned in Section 2:

R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitization by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information given in this Data Sheet has been included in accordance with the guidelines



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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 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.

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