

**OBERON SC240 1X200L BAR WW**Version 1 / EU  
1020000077751/6  
Revision Date: 04.08.2006  
Print Date: 16.10.2006**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name OBERON SC240 1X200L BAR WW  
Product code (UVP) 05544300  
Usage insecticide  
Company Bayer CropScience AG  
Alfred-Nobel-Straße 50  
40789 Monheim  
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

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

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**Suspension concentrate (=flowable concentrate)(SC)  
Spiromesifen 240g/l**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Spiromesifen	283594-90-1	Xi, N	R43, R50/53	22,90

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

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**4. FIRST AID MEASURES****General advice**

Remove contaminated clothing immediately and dispose of safely.

**Inhalation**

Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.

**Skin contact**

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

**Eye contact**

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



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**Ingestion**

Do NOT induce vomiting. Keep at rest. Rinse mouth. Obtain medical attention.

**Notes to Physician**

**Symptoms**

Local:, To date no symptoms are known.

**Symptoms**

Systemic:, To date no symptoms are known.

**Treatment**

Local treatment:

Initial treatment should be symptomatic and supportive.

**Treatment**

Systemic treatment:

Initial treatment should be symptomatic and supportive.

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**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

water spray  
carbon dioxide (CO<sub>2</sub>)  
foam  
sand

**Specific hazards during fire fighting**

In the event of fire the following can be released:

nitrous gases (NO<sub>x</sub>)  
hydrogen cyanide (hydrocyanic acid)  
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.

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**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).

Transfer collected material to heavy duty plastic drums and keep safe for disposal.

Clean contaminated floors and objects thoroughly, observing environmental regulations.



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**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

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

**Storage**

Requirements for storage areas and containers

Keep container tightly closed.

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

Store in a place accessible by authorized persons only.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Storage stability

Storage temperature                    -10 - 50 °C

Suitable materials

HDPE (high density polyethylene)

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protective equipment**

Respiratory Protection

No personal respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

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.

Eye protection

Safety glasses with side-shields

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## Hygiene measures

- Avoid contact with skin, eyes and clothing.
- Keep working clothes separately.
- Wash hands before breaks and at the end of workday.
- 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).

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	suspension
Colour	grey white
Odour	weak, characteristic

**Safety data**

pH	4,9 Determined in the undiluted form.
Flash point	> 100 °C DIN EN ISO 2719 (2003-09)
Ignition temperature	405 °C
Density	1,06 g/cm <sup>3</sup> at 20 °C
Explosivity	Not explosive 92/69/EEC, A.14 / OECD 113

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**10. STABILITY AND REACTIVITY**

Conditions to Avoid	Extremes of temperature and direct sunlight.
Hazardous Reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions.

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**11. TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity	LD50 (rat) > 2.500 mg/kg
Acute Inhalation Toxicity	LC50 (rat) > 2,759 mg/l Exposure time: 4 h Highest attainable concentration.
Acute Dermal Toxicity	LD50 (rat) > 4.000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	No eye irritation. (rabbit)

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Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test
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**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Toxicity to Fish	LC50 (Lepomis macrochirus (Bluegill sunfish)) 0,245 mg/l Exposure time: 96 h
Toxicity to daphnia	EC50 (Water flea (Daphnia magna)) 68,7 mg/l Exposure time: 48 h
Toxicity to algae	IC50 (Pseudokirchneriella subcapitata) > 6,4 mg/l Exposure time: 72 h

**13. DISPOSAL CONSIDERATIONS****Product**

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****ADR/RID/ADNR**

UN-No	<b>3082</b>
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROMESIFEN SOLUTION)

**IMDG**

UN-No	<b>3082</b>
Class	9
Packaging group	III
EmS	F-A , S-F
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROMESIFEN SOLUTION )

**IATA**

UN-No	<b>3082</b>
Class	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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(SPIROMESIFEN SOLUTION )

**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:

- Spiromesifen

Symbol(s)

N Dangerous for the environment

R-phrase(s)

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S35 This material and its container must be disposed of in a safe way.  
S57 Use appropriate container to avoid environmental contamination.

Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.  
Contains spiromesifen. May produce an allergic reaction.

Further information

WHO-classification: III (Slightly hazardous)

**16. OTHER INFORMATION****Further information**

Text of R phrases mentioned in Section 2:

R43 May cause sensitization by skin contact.  
R50/53 Very toxic 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 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.