

**MYTHOS SC300 1X1000L IBC WW**Version 2 / EU
1020000007901/7
Revision Date: 22.12.2008
Print Date: 08.02.2010**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name MYTHOS SC300 1X1000L IBC WW
Product code (UVP) 05935415
Usage Fungicide
Company Bayer CropScience AG
Alfred-Nobel-Straße 50
40789 Monheim am Rhein
Germany

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Responsible Department Material and Transport Safety Management
+49(0)2173-38-3409/3189 (during business hours only)
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Emergency telephone number +49(0)2133-51-4233 (Sicherheitszentrale Dormagen, Bayer AG)

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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Suspension concentrate (=flowable concentrate)(SC)
28,57% Pyrimethanil (300 g/l)**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Pyrimethanil	53112-28-0	N	R51/53	28,57
Lignin, reaction products with sodium bisulfite and formaldehyde	68512-35-6	Xi	R36/37	>= 1,00 - < 20,00

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES**Inhalation**

When inhaled remove to fresh air and seek medical aid.

Skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and water. If symptoms persist, call a physician.



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Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion

When swallowed accidentally, do not induce vomiting, get medical help. Rinse mouth, ingest activated charcoal.

Notes to Physician

Symptoms

Local:, Slight irritation., Systemic:, To date no symptoms are known.

Treatment

Treat symptomatically.
Gastric lavage is not normally required. However, 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
Foam
Dry powder
Carbon dioxide (CO₂)

Specific hazards during fire fighting

In the event of fire the following may be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment.

Environmental Precautions

Do not allow to get into surface water, drains and ground water.
If the product contaminates rivers, lakes or drains inform respective authorities.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Collect and transfer the product into a properly labelled and tightly closed container.

Additional Advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7. HANDLING AND STORAGE

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Advice on safe handling

Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion

Fire or intense heat may cause violent rupture of packages.

Storage

Requirements for storage areas and containers

Store in original container.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep away from direct sunlight.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Temperature tolerance -5 °C to 40 °C

Suitable materials

HDPE (high density polyethylene)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Pyrimethanil	53112-28-0	5,6 mg/m ³		OES BCS*

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

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

Wear goggles conforming to EN166 (Field of Use 5 or equivalent).

Skin and body protection

Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

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Hygiene measures

Smoking, eating and drinking should be prohibited in the application area.
Wash hands before breaks and immediately after handling the product.

Protective measures

Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form liquid, suspension
Colour beige to pale grey
Odour almost odourless

Safety data

pH 6,0 - 8,0 at 100 % (20 °C)

Flash point > 100 °C
No flash point - Determination conducted up to the boiling point.

Ignition temperature > 600 °C

Autoignition Temperature The product is not self-ignitable.

Density approx. 1,05 g/cm³ at 20 °C

Water solubility dispersible

Viscosity, dynamic 60 - 120 mPa.s at 20 °C
Velocity gradient 100 /s

Explosivity Not explosive.

10. STABILITY AND REACTIVITY

Thermal decomposition > 150 °C
Test conducted with a similar formulation.

Hazardous Reactions No hazardous reactions when stored and handled according to prescribed instructions.
Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity LD50 (rat) > 5.000 mg/kg
Test conducted with a similar formulation.

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Acute Inhalation Toxicity	LC50 (rat) > 1,26 mg/l Highest attainable concentration. Test conducted with a similar formulation.
Acute Dermal Toxicity	LD50 (rat) > 4.000 mg/kg Test conducted with a similar formulation.
Skin Irritation	Slight irritant effect - does not require labelling. (rabbit) Test conducted with a similar formulation.
Eye Irritation	No eye irritation. (rabbit) Test conducted with a similar formulation.
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test Test conducted with a similar formulation.
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test Test conducted with a similar formulation.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to Fish	LC50 (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 10,56 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient pyrimethanil.
Toxicity to daphnia	EC50 (Water flea (<i>Daphnia magna</i>)) 2,9 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient pyrimethanil.
Toxicity to algae	IC50 (<i>Selenastrum capricornutum</i>) 5,84 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient pyrimethanil.

13. DISPOSAL CONSIDERATIONS**Product**

Do not dispose of waste into sewer.

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

Contaminated packaging

Triple rinse containers.

Do not use containers for other products.

The empty containers must be taken, where possible, to a waste collection system licensed for waste management of packaging materials in agriculture.

Not completely emptied packagings should be disposed of as hazardous waste.

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020108 agrochemical waste containing dangerous substances

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

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

IMDG

UN-Number	3082
Labels	9
Packaging group	III
EmS	F-A , S-F
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PYRIMETHANIL SOLUTION)

IATA

UN-Number	3082
Labels	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PYRIMETHANIL SOLUTION)

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

Classification:

Hazard warning labelling compulsory

Hazardous components which must be listed on the label:

- Pyrimethanil

Symbol(s)

N Dangerous for the environment

R-phrase(s)

R51/53 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.



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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 3

R36/37	Irritating to eyes and respiratory system.
R51/53	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 Regulation (EC) 1907/2006. 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.