



## MYTHOS SC300

Version 3 / EU  
1020000007901/8  
Revision Date: 04.04.2012  
Print Date: 10.09.2012

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product information

Trade name	MYTHOS SC300
Product code (UVP)	05935415
Usage	Fungicide
Company	Bayer CropScience AG Alfred-Nobel-Straße 50 40789 Monheim am Rhein Germany
Telefax	+49(0)2173-38-7394
Responsible Department	Product Safety and Specification Management +49(0)2173-38-3409/3189 (during business hours only) Email: BCS-MSDS@bayer.com
Emergency telephone no.	Global Incident Response Hotline (24h) +1 (760) 476-3964 (Company 3E for Bayer CropScience)

### 2. HAZARDS IDENTIFICATION

#### 2.1 CLASSIFICATION

##### Classification in accordance with the EC directives 67/548/EEC or 1999/45/EC.

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

##### Classification in accordance with Regulation (EC) No 1272/2008.

Chronic aquatic toxicity: Category 3

H412 Harmful to aquatic life with long lasting effects.

#### 2.2 LABELLING

##### Labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classified as hazardous for supply/use.

Hazardous components which must be listed on the label:

- Pyrimethanil

R-phrases(s)

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

##### Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Classified as hazardous for supply/use.

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Hazardous components which must be listed on the label:

- Pyrimethanil

Hazard statements

H412 Harmful to aquatic life with long lasting effects.  
 EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statements

P501 Dispose of contents/container in accordance with local regulation.

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

Suspension concentrate (=flowable concentrate)(SC)  
 28,6 % Pyrimethanil (300 g/l)

**Hazardous components**

R-phrases according to EC directive 67/548/EEC

Hazard statements according to Regulation (EC) No. 1907/2006

Name	CAS-No. / EC-No.	Symbol(s) R-phrase(s)	Pictogram Hazard statements	Concentration [%]
Pyrimethanil	53112-28-0 414-220-3	N R51/53	 H411	28,60
Lignin, alkali, reaction products with formaldehyde and sodium bisulfite	68512-35-6	Xi R36/37	 H319, H335	>= 1,00 - < 20,00

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

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

- || Move out of dangerous area. Place and transport victim in stable position (lying sideways).
- || Remove contaminated clothing immediately and dispose of safely.

**Skin contact**

- || In case of contact with skin wash off immediately with polyethylene glycol 400, then with plenty of water. If symptoms persist, call a physician.

**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**

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

**Notes to physician**



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### 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.
- || There is no specific antidote.

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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

- || Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Extinguishing media which shall not be used for safety reasons

- || High volume water jet

### Specific hazards during firefighting

- || In the event of fire the following may be released:
  - || Hydrogen cyanide (hydrocyanic acid)
  - || Carbon monoxide (CO)
  - || Nitrogen oxides (NOx)

### Special protective equipment for fire-fighters

- || In the event of fire and/or explosion do not breathe fumes.
- || In the event of fire, wear self-contained 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

- || Use personal protective equipment.
- || Avoid contact with spilled product or contaminated surfaces.

### Environmental precautions

- || Do not allow to get into surface water, drains and ground water.

### Methods for cleaning up

- || Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- || Clean contaminated floors and objects thoroughly, observing environmental regulations.
- || Keep in suitable, closed containers for disposal.

### Additional advice

- Information regarding safe handling, see section 7.
- 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.

Advice on protection against fire and explosion

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|| No special precautions required.

**Storage**

Requirements for storage areas and containers

- || Keep containers tightly closed in a dry, cool 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.

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 <sup>3</sup> (TWA)		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

- || Avoid contact with skin, eyes and clothing.
- || Keep working clothes separately.
- || Wash hands immediately after work, if necessary take a shower.
- || Remove soiled 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	beige to light grey
Odour	almost odourless

### Safety data

pH	6,0 - 8,0 at 100 % (23 °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	ca. 1,05 g/cm <sup>3</sup> at 20 °C
Water solubility	dispersible
Viscosity, dynamic	60 - 120 mPa.s at 20 °C Velocity gradient 100 /s
Explosivity	Not explosive

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## 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.

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## 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.
Sensitisation	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test Test conducted with a similar formulation.
Sensitisation	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test Test conducted with a similar formulation.
Assessment repeated dose toxicity	Pyrimethanil did not cause any significant specific adverse effects or target organ toxicity in subchronic toxicity studies.
Assessment Mutagenicity	Pyrimethanil was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Assessment Carcinogenicity	Pyrimethanil was not carcinogenic in lifetime feeding studies in mice. Pyrimethanil caused an increased incidence of tumours in the thyroid of rats at high dose levels. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.
Assessment Toxicity to Reproduction	Pyrimethanil did not cause reproductive toxicity in a two-generation study in rats.
Assessment developmental toxicity	Pyrimethanil did not cause developmental toxicity in rats and rabbits.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 53 mg/l Exposure time: 96 h Test conducted with a similar formulation.
Toxicity to aquatic invertebrates	EC50 (Water flea ( <i>Daphnia magna</i> )) > 10 mg/l Exposure time: 48 h Test conducted with a similar formulation.



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|| Toxicity to aquatic plants      IC50 (Selenastrum capricornutum) 35 mg/l  
Exposure time: 96 h  
Test conducted with a similar formulation.

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### 13. DISPOSAL CONSIDERATIONS

#### Product

|| 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

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

#### Waste key for the unused product

|| 020108 agrochemical waste containing dangerous substances

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### 14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

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### 15. REGULATORY INFORMATION

Further information

WHO-classification: III (Slightly hazardous)

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### 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.

Text of the hazard statements mentioned in Section 3

H319      Causes serious eye irritation.

H335      May cause respiratory irritation.

H411      Toxic to aquatic life with long lasting effects.

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.



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|| Reason for Revision: New safety data sheet according to Regulation (EC) 1272/2008. See Chapters 2, 3, 15.

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