

# SAFETY DATA SHEET



## SCALA® SC GREENHOUSE FUNGICIDE

Version 1.0 / CDN  
10200031495

1/8  
Revision Date: 09/07/2018  
Print Date: 09/10/2018

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product identifier

**Trade name** SCALA® SC GREENHOUSE FUNGICIDE  
**Product code (UVP)** 84934135  
**SDS Number** 102000031495  
**PCP Registration No.** 29975

#### Relevant identified uses of the substance or mixture and uses advised against

**Use** Fungicide  
**Restrictions on use** See product label for restrictions.

#### Information on supplier

**Supplier** Bayer CropScience Inc  
#200, 160 Quarry Park Blvd, SE  
Calgary, Alberta T2C 3G3  
Canada  
**Responsible Department** Email: SDSINFO.BCS-NA@bayer.com  
**Emergency telephone no.**  
**Emergency Telephone Number (24hr/ 7 days)** 1-800-334-7577  
**Product Information Telephone Number** 1-888-283-6847

### SECTION 2: HAZARDS IDENTIFICATION

#### Classified in accordance with Part 2 of the Hazardous Products Regulations

This material is not hazardous under the criteria of Part 2 of the Hazardous Products Regulation.

#### Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.  
No health hazards not otherwise classified.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Pyrimethanil	53112-28-0	37.4
Lignin, alkali, reaction products with formaldehyde and sodium bisulfite	68512-35-6	4.0

# SAFETY DATA SHEET



## SCALA® SC GREENHOUSE FUNGICIDE

Version 1.0 / CDN  
102000031495

2/8  
Revision Date: 09/07/2018  
Print Date: 09/10/2018

### SECTION 4: FIRST AID MEASURES

#### Description of first aid measures

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** No symptoms known or expected.

#### Indication of any immediate medical attention and special treatment needed

**Treatment** Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

### SECTION 5: FIREFIGHTING MEASURES

#### Extinguishing media

**Suitable** Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Sand

**Unsuitable** High volume water jet

**Special hazards arising from the substance or mixture** In the event of fire the following may be released: Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>)

#### Advice for firefighters

**Special protective equipment for firefighters** In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit.

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

**Flash point** > 100 °C  
Material heated to 100 °C – no flash point in the liquid state.

# SAFETY DATA SHEET



## SCALA® SC GREENHOUSE FUNGICIDE

Version 1.0 / CDN  
102000031495

3/8  
Revision Date: 09/07/2018  
Print Date: 09/10/2018

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<b>Auto-ignition temperature</b>	455 °C / 851 °F
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Explosivity</b>	Not explosive Regulation (EC) No. 440/2008, Annex, A.14

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Precautions** Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

#### Methods and materials for containment and cleaning up

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice** Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal.

**Reference to other sections** 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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### SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Use only in area provided with appropriate exhaust ventilation.

**Hygiene measures** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.  
Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

#### Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers** Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Keep away from direct sunlight. Protect from freezing.

# SAFETY DATA SHEET



## SCALA® SC GREENHOUSE FUNGICIDE

Version 1.0 / CDN  
10200031495

4/8  
Revision Date: 09/07/2018  
Print Date: 09/10/2018

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 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 AG, Crop Science Division "Occupational Exposure Standard"

#### Exposure controls

##### 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.

<b>Respiratory protection</b>	When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.
<b>Hand protection</b>	Chemical resistant nitrile rubber gloves
<b>Eye protection</b>	Goggles
<b>Skin and body protection</b>	Wear long-sleeved shirt and long pants and shoes plus socks.
<b>General protective measures</b>	Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	beige
<b>Physical State</b>	suspension
<b>Odor</b>	almost odourless
<b>Odour Threshold</b>	No data available
<b>pH</b>	6.0 - 8.0 at 100 % (23 °C)
<b>Vapor Pressure</b>	No data available
<b>Vapor Density (Air = 1)</b>	No data available
<b>Density</b>	ca. 1.07 g/cm <sup>3</sup> at 20 °C
<b>Evaporation rate</b>	No data available
<b>Boiling Point</b>	No data available
<b>Melting / Freezing Point</b>	No data available

# SAFETY DATA SHEET



## SCALA® SC GREENHOUSE FUNGICIDE

Version 1.0 / CDN  
102000031495

5/8  
Revision Date: 09/07/2018  
Print Date: 09/10/2018

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<b>Water solubility</b>	dispersible
<b>Minimum Ignition Energy</b>	Not applicable
<b>Decomposition temperature</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	Not applicable
<b>Viscosity</b>	50 - 120 mPa.s at 20 °C Velocity gradient 100 /s
<b>Flash point</b>	> 100 °C Material heated to 100 °C – no flash point in the liquid state.
<b>Auto-ignition temperature</b>	455 °C / 851 °F
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Explosivity</b>	Not explosive Regulation (EC) No. 440/2008, Annex, A.14
<b>Other information</b>	Further safety related physical-chemical data are not known.

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### SECTION 10: STABILITY AND REACTIVITY

#### Reactivity

<b>Thermal decomposition</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No hazardous reactions when stored and handled according to prescribed instructions.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight. freezing
<b>Incompatible materials</b>	No data available
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Exposure routes</b>	Inhalation, Skin Absorption, Eye contact, Ingestion
<b>Immediate Effects</b>	
<b>Eye</b>	Causes eye irritation.
<b>Skin</b>	Harmful if absorbed through skin. Irritating to skin.

# SAFETY DATA SHEET



## SCALA® SC GREENHOUSE FUNGICIDE

Version 1.0 / CDN  
102000031495

6/8  
Revision Date: 09/07/2018  
Print Date: 09/10/2018

<b>Inhalation</b>	Harmful if inhaled.
<b>Information on toxicological effects</b>	
<b>Acute oral toxicity</b>	LD50 (Rat) > 5,000 mg/kg Test conducted with a similar formulation.
<b>Acute inhalation toxicity</b>	LC50 (Rat) > 1.26 mg/l Exposure time: 4 h Highest attainable concentration. No deaths Test conducted with a similar formulation.
<b>Acute dermal toxicity</b>	LD50 (Rat) > 4,000 mg/kg Test conducted with a similar formulation.
<b>Skin corrosion/irritation</b>	Slight irritant effect - does not require labelling. (Rabbit) Test conducted with a similar formulation.
<b>Serious eye damage/eye irritation</b>	No eye irritation (Rabbit) Test conducted with a similar formulation.
<b>Respiratory or skin sensitisation</b>	Skin: Non-sensitizing. (Guinea pig) OECD Test Guideline 406, Buehler test Test conducted with a similar formulation.

### Assessment STOT Specific target organ toxicity – repeated exposure

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 at high dose levels an increased incidence of tumours in rats in the following organ(s): Thyroid. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

### ACGIH

None.

### NTP

None.

### IARC

None.

### OSHA

None.

### Assessment toxicity to reproduction

Pyrimethanil did not cause reproductive toxicity in a two-generation study in rats.

### Assessment developmental toxicity

# SAFETY DATA SHEET



## SCALA® SC GREENHOUSE FUNGICIDE

Version 1.0 / CDN  
102000031495

7/8  
Revision Date: 09/07/2018  
Print Date: 09/10/2018

Pyrimethanil did not cause developmental toxicity in rats and rabbits.

### SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity to fish</b>	LC50 (Oncorhynchus mykiss (rainbow trout)) 53 mg/l Exposure time: 96 h Test conducted with a similar formulation.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) 10.4 mg/l Exposure time: 48 h Test conducted with a similar formulation.
<b>Toxicity to aquatic plants</b>	IC50 (Pseudokirchneriella subcapitata (microalgae)) 16 mg/l Growth rate; Exposure time: 72 h Test conducted with a similar formulation.
<b>Biodegradability</b>	Pyrimethanil: Not rapidly biodegradable
<b>Koc</b>	Pyrimethanil: Koc: 301
<b>Bioaccumulation</b>	Pyrimethanil: Does not bioaccumulate.
<b>Mobility in soil</b>	Pyrimethanil: Moderately mobile in soils
<b>Additional ecological information</b>	No other effects to be mentioned.
<b>Environmental precautions</b>	Do not allow to get into surface water, drains and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Apply this product as specified on the label.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	
<b>Product</b>	Follow container label instructions for disposal of wastes generated during use in compliance with the product label. Dispose in accordance with all local, state/provincial and federal regulations.
<b>Contaminated packaging</b>	Triple rinse containers. Puncture container to avoid re-use. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State/Provincial and local authorities, by burning. If burned, stay out of smoke.

# SAFETY DATA SHEET



## SCALA® SC GREENHOUSE FUNGICIDE

Version 1.0 / CDN  
102000031495

8/8  
Revision Date: 09/07/2018  
Print Date: 09/10/2018

### SECTION 14: TRANSPORT INFORMATION

According to national and international transport regulations this material is not classified as dangerous goods / hazardous material.

### SECTION 15: REGULATORY INFORMATION

PCP Registration No. 29975

### SECTION 16: OTHER INFORMATION

#### Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
N.O.S.	Not otherwise specified
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
OECD	Organization for Economic Co-operation and Development
TDG	Transportation of Dangerous Goods
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

#### NFPA 704 (National Fire Protection Association):

Health - 2      Flammability - 0      Instability - 0      Others - none

#### HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 2      Flammability - 0      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

**Reason for Revision:** New Safety Data Sheet due to change in numbering scheme.

Prepared by the HSE Department of Bayer CropScience Inc. (306)-721-0310.

**Revision Date:** 09/07/2018

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