



## Safety Data Sheet

PRIWEN

SDS Number: 102000007367

SDS Version 1.0

Revision Date: 05/06/2014

Print Date: 11/23/2015

## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name	PRIWEN
SDS Number	102000007367
Product code (UVP)	06280714
PCP Registration No.	31959
Product Use	Fungicide

Bayer CropScience Inc  
#200, 160 Quarry Park Blvd, SE  
Calgary, Alberta T2C 3G3  
Canada

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)  
For Product Information call: 1-888-283-6847

## SECTION 2. HAZARDS IDENTIFICATION

*NOTE: Please refer to Section 11 for detailed toxicological information.*

**Emergency Overview**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes and clothing. Causes eye irritation. Causes skin irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause long-term adverse effects in the aquatic environment.

<b>Physical State</b>	Liquid clear to slightly turbid
<b>Odor</b>	aromatic
<b>Appearance</b>	yellow to brown
<b>Exposure routes</b>	Eye contact, Inhalation, Skin Absorption
<b>Immediate Effects</b>	
<b>Eye</b>	Causes eye irritation.
<b>Skin</b>	Harmful if absorbed through skin.
<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	Harmful if inhaled.



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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
Spiroxamine	118134-30-8	49.80
Benzyl alcohol	100-51-6	25.20
Dodecylbenzene sulphonate, MEA salt	26836-07-7	12.50
Ethoxylated polyarylphenol	99734-09-5	12.50

## SECTION 4. FIRST AID MEASURES

<b>General</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Eye</b>	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. Call a physician or poison control center immediately.
<b>Skin</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.
<b>Ingestion</b>	Rinse out mouth and give water in small sips to drink. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by a physician or poison control center.
<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>Notes to physician</b>	
<b>Signs and Symptoms</b>	No symptoms known or expected.
<b>Treatment</b>	There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

## SECTION 5. FIRE FIGHTING MEASURES

<b>Flash point</b>	108 °C / 226.4 °F
<b>Autoignition temperature</b>	265 °C / 509 °F
<b>Lower Flammability Limit</b>	no data available



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<b>Upper Flammability Limit</b>	no data available
<b>Explosiveness</b>	Not explosive 92/69/EEC, A.14 / OECD 113
<b>Fire and Explosion Hazards</b>	Dangerous gases are evolved in the event of a fire.
<b>Suitable extinguishing media</b>	Water spray, Carbon dioxide (CO <sub>2</sub> ), Foam, Sand
<b>Fire Fighting Instructions</b>	<p>Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.</p> <p>In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.</p> <p>Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.</p>

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.
<b>Methods for cleaning up</b>	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.
<b>Additional advice</b>	Use personal protective equipment. Do not allow product to contact non-target plants. Do not allow to enter soil, waterways or waste water canal.

## SECTION 7. HANDLING AND STORAGE

<b>Handling procedures</b>	Use only in area provided with appropriate exhaust ventilation.
<b>Storing Procedures</b>	<p>Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from direct sunlight.</p> <p>Keep away from food, drink and animal feedingstuffs.</p>
<b>Work/Hygienic Procedures</b>	<p>Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.</p> <p>Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using</p>

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again. Wash thoroughly and put on clean clothing.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>General Protection</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.
<b>Eye/Face Protection</b>	Chemical resistant goggles must be worn.
<b>Hand protection</b>	Chemical resistant nitrile rubber gloves
<b>Body Protection</b>	Wear long-sleeved shirt and long pants and shoes plus socks.
<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.

**Exposure Limits**

Spiroxamine	118134-30-8	OES BCS*	TWA	0.57 mg/m3
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\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	yellow to brown
<b>Physical State</b>	Liquid clear to slightly turbid
<b>Odor</b>	aromatic
<b>Vapor Pressure</b>	no data available
<b>Vapor Density (Air = 1)</b>	no data available
<b>Density</b>	ca. 1.00 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
<b>Water solubility</b>	emulsifiable

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<b>Minimum Ignition Energy</b>	not applicable
<b>Decomposition temperature</b>	Stable under normal conditions.
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Viscosity</b>	no data available

**SECTION 10. STABILITY AND REACTIVITY**

<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatibility</b>	Strong oxidizing agents Strong acids
<b>Hazardous Decomposition Products</b>	No decomposition products expected under normal conditions of use.
<b>Hazardous reactions</b>	No hazardous reactions when stored and handled according to prescribed instructions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

<b>Acute oral toxicity</b>	rat: LD50: > 500 - < 1,000 mg/kg Test conducted with a similar formulation. bridging stat. 2008-07-29
<b>Acute dermal toxicity</b>	male/female combined rat: LD50: > 2,000 mg/kg Test conducted with a similar formulation.
<b>Acute inhalation toxicity</b>	rat: LC50: 2.323 mg/l Exposure time: 4 h Test conducted with a similar formulation. Determined in the form of a respirable aerosol.
<b>Skin irritation</b>	rabbit: Irritating to skin. Test conducted with a similar formulation.
<b>Eye irritation</b>	rabbit: Severe eye irritation. Test conducted with a similar formulation.
<b>Sensitisation</b>	mouse: Sensitising OECD Test Guideline 429, local lymph node assay (LLNA) bridging statement: 2008-07-29
<b>Chronic toxicity</b>	Spiroxamine did not cause specific target organ toxicity in experimental animal

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studies.

**Assessment Carcinogenicity**

Spiroxamine was not carcinogenic in lifetime feeding studies in rats and mice.

**ACGIH**

None.

**NTP**

None.

**IARC**

None.

**OSHA**

None.

**Reproductive toxicity**

Spiroxamine caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Spiroxamine is related to parental toxicity.

**Developmental Toxicity**

Spiroxamine caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Spiroxamine are related to maternal toxicity.

**Mutagenicity**

Spiroxamine was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

**SECTION 12. ECOLOGICAL INFORMATION****Toxicity to fish**Rainbow trout (*Oncorhynchus mykiss*)  
LC50: 11.5 mg/l  
Exposure time: 96 h  
Test conducted with a similar formulation.**Toxicity to aquatic plants**Desmodemus subspicatus  
Growth rate  
EC50: 0.029 mg/l  
Exposure time: 72 h  
Test conducted with a similar formulation.**Acute Toxicity to Aquatic Invertebrates**Water flea (*Daphnia magna*)  
EC50: 10.3 mg/l  
Exposure time: 48 h  
Test conducted with a similar formulation.**Environmental precautions**

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

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Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.

**Ecological Information** No other effects to be mentioned.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**General Disposal Guidance** Dispose in accordance with all local, state/provincial and federal regulations. Follow advice on product label and/or leaflet.

**Container Disposal** Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.

**SECTION 14. TRANSPORT INFORMATION**

**TDG** Not dangerous goods / not hazardous material

**49CFR** Not dangerous goods / not hazardous material

**IMDG**

UN number **3082**  
Class 9  
Packaging group III  
Marine pollutant YES  
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROXAMINE, BENZYLALCOHOL SOLUTION)

**IATA**

UN number **3082**  
Class 9  
Packaging group III  
Environm. Hazardous Mark YES  
Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROXAMINE, BENZYLALCOHOL SOLUTION )

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

**SECTION 15. REGULATORY INFORMATION**

**PCP Registration No.** 31959



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#### US Federal Regulations

##### TSCA list

Benzyl alcohol	100-51-6
Dodecylbenzene sulphonate, MEA salt	26836-07-7

##### US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

None.

##### SARA Title III - Section 302 - Notification and Information

None.

##### SARA Title III - Section 313 - Toxic Chemical Release Reporting

None.

#### US States Regulatory Reporting

##### CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

##### US State Right-To-Know Ingredients

Benzyl alcohol	100-51-6	MN
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#### Canadian Regulations

##### Canadian Domestic Substance List

Benzyl alcohol	100-51-6
Dodecylbenzene sulphonate, MEA salt	26836-07-7
Ethoxylated polyaryphenol	99734-09-5

#### Environmental

##### CERCLA

None.

##### Clean Water Section 307 Priority Pollutants

None.

##### Safe Drinking Water Act Maximum Contaminant Levels

None.

#### International Regulations

##### European Inventory of Existing Commercial Substances (EINECS)

Benzyl alcohol	100-51-6
Dodecylbenzene sulphonate, MEA salt	26836-07-7

## SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 1	Flammability - 1	Instability - 1	Others - none
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HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1	Flammability - 1	Physical Hazard - 1	PPE -
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0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard





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Reason for Revision: New Safety Data Sheet.

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

Revision Date: 05/06/2014

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