

# Pinpoint® Fungicide



## Safety Data Sheet (GHS)

### 1. IDENTIFICATION

#### Product identifier

**PRODUCT NAME:** Pinpoint® Fungicide

**PCPA REGISTRATION NUMBER:** 32289

**VC NUMBER(S):** 1930

**Synonyms** None

**PRODUCT DESCRIPTION:** Fungicide

Pinpoint® is a registered trademark of Valent U.S.A. LLC

#### Recommended use of the chemical and restrictions on use

**Recommended Use** No information available

**Restrictions on use** No information available

#### Details of the supplier of the safety data sheet

#### **MANUFACTURER/DISTRIBUTOR**

VALENT CANADA, INC.  
Unit 201 230 Hanlon Creek Blvd.  
Guelph, Ontario N1C 0A1  
(519) 767-9262  
www.valent.ca

#### **EMERGENCY TELEPHONE NUMBERS**

HEALTH EMERGENCY OR SPILL (24 hr):  
(800) 682-5368  
TRANSPORTATION (24 hr.): CHEMTREC  
(800) 424-9300 or (202) 483-7616

**24 Hour Emergency Phone Number:** 800-682-5368

**Restrictions on emergency number** None

### 2. HAZARDS IDENTIFICATION

**Classification:** Per WHMIS 2015

This product has been classified under the Guidelines of 2015 Health Canada requirements and the implementation of the GHS (Revision 5) under HPR and the HPA.

Acute toxicity - Inhalation (Dusts/Mists)

Category 4

#### Label elements

#### **WARNING**

#### **Hazard statements**

Harmful if inhaled

**Emergency Telephone:** (800) 682-5368  
**REVISION NUMBER:** 1

**SDS NO.:** CAN-0448  
**REVISION DATE:** 08/29/2019

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Call a POISON CENTRE or doctor/physician if you feel unwell

**OTHER INFORMATION****3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Mandestrobin	173662-97-0	43.4	-	-
Propylene glycol	57-55-6	5 - 9	-	-
Starch	9005-25-8	1	-	-
Potassium hydroxide, 45%	1310-58-3	<0.6	-	-
Other ingredients	Various CAS#s	46 - 50	-	-

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

Have the product container or label with you when calling a poison control centre or doctor, or going for treatment. You may also contact 1-800-682-5368 for emergency medical treatment information.

**Inhalation**

Move the person to fresh air. If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**Eye contact**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, and after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**Skin contact**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water.

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

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**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Small Fire** Dry chemical or CO<sub>2</sub>. Water spray.

**Large Fire** Do NOT use water jet or straight streams.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** No information available.

**Hazardous combustion products:** Normal combustion forms carbon dioxide, water vapor and may produce. hydrogen cyanide (HCN),. oxides of nitrogen,. carbon monoxide,.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment for fire-fighters** Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and fire fighting equipment before reuse.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions** Ensure adequate ventilation.

**Methods and material for containment and cleaning up**

**Methods for containment** On Land: Avoid runoff into storm sewers and ditches which lead to waterways, or other bodies of water. Contain spilled liquids with dry sorbents.

In Water: This material will disperse or dissolve in water. Stop the source of the release. Contain and isolate to prevent further release into surface or groundwater.

**Methods for cleaning up** For Spills on Land: Clean up spill immediately. Absorb spill with inert material (such as dry sand or earth), then place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent. Vacuum or sweep up sorbent material and place into chemical waste container.

For Spills in Water: Clean up spill immediately. Absorb spill with inert material. Remove contaminated material for treatment or disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and shoes immediately. Then wash thoroughly and put on clean clothing. Wear personal protective equipment when handling this product.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep pesticide in original container. Do not store or transport near food or feed. Do not contaminate food or feed. Do not put concentrate into food or drink containers. Do not dilute concentrate in food or drink containers. Store in a cool, dry place, out of direct sunlight. Do not store at temperatures below 32 °F (0 °C). If the product is exposed to temperatures below 32 °F (0 °C), thaw at room temperature to 50 °F (10 °C) or warmer and shake gently to unify the product.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	Alberta	British Columbia	Ontario	Quebec
Propylene glycol			TWA: 10 mg/m <sup>3</sup> TWA: 50 ppm TWA: 155 mg/m <sup>3</sup>	
Starch	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Potassium hydroxide, 45%	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	CEV: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

### Appropriate engineering controls

#### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Do not get this material in your eyes. Eye contact can be avoided by wearing protective eyewear.

#### Skin and body protection

Avoid contact with skin or clothing. Skin contact can be minimized by wearing protective clothing including gloves.

#### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

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<b>Physical state</b>	Liquid
<b>Appearance</b>	Opaque
<b>Colour</b>	White
<b>Odour</b>	sweet
<b>Odor threshold:</b>	No information available

<u>PROPERTIES</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6.8 @25°C (1% w/v suspension in water)	@ 25° C (1% w/v suspension in water)
<b>Melting point/freezing point</b>	No Data Available	None known
<b>Boiling point/boiling range</b>	No data available	None known
<b>Flash point</b>	>100 °C	None known
<b>Evaporation rate</b>	No Data Available	None known
<b>Flammability (solid, gas)</b>	No Data Available	None known
<b>Flammability Limits in Air</b>		None known
<b>Upper flammability limits</b>	No Data Available	
<b>Lower Flammability Limit:</b>	No Data Available	
<b>Vapour pressure</b>	No Data Available	None known
<b>Vapour density</b>	No Data Available	None known
<b>Relative density</b>	No Data Available	None known
<b>Water solubility</b>	No Data Available	None known
<b>Solubility in other solvents</b>	No Data Available	None known
<b>Partition coefficient</b>	No Data Available	None known
<b>Autoignition temperature</b>	No Data Available	None known
<b>Decomposition temperature</b>	No Data Available	None known
<b>Kinematic viscosity</b>	No Data Available	None known
<b>Dynamic viscosity</b>	168 cP @ 20° C	None known

**OTHER INFORMATION**

<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	No information available.
<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC (EPA METH.24) (G/L):</b>	No information available
<b>Liquid Density</b>	1.1 g/mL @20° C
<b>Bulk density</b>	Not applicable

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Avoid high temperature and direct sunlight.
<b>Incompatible materials</b>	Avoid strong oxidizing agents and alkaline materials.
<b>Hazardous Decomposition Products:</b>	May emit toxic gases and irritating fumes under fire conditions.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity:**

Oral Toxicity LD <sub>50</sub> (rats)	3,129 mg/kg	EPA Tox Category	III
Dermal Toxicity LD <sub>50</sub> (rats)	> 5,000 mg/kg	EPA Tox Category	IV
Inhalation Toxicity LC <sub>50</sub> (rats)	> 2.04 mg/L	EPA Tox Category	IV
Eye Irritation (rabbits)	Minimally irritating	EPA Tox Category	IV
Skin Irritation (rabbits)	Minimally irritating	EPA Tox Category	IV
Mouse (LLNA method)	Non-sensitizer	EPA Tox Category	Not applicable

**CARCINOGEN CLASSIFICATION**

Chemical name	IARC	OSHA - Select Carcinogens	NTP Carcinogen List
Mandestrobin	Not listed	Not listed	Not listed
Propylene glycol	Not listed	Not listed	Not listed
Starch	Not listed	Not listed	Not listed
Other ingredients	Not listed	Not Listed	Not listed

**TOXICITY OF MANDESTROBIN TECHNICAL**

**Chronic/Carcinogenicity:** Rat and Mouse carcinogenicity studies (diet) with Mandestrobin Technical: Non-carcinogenic

**Reproduction:** A rat two-generation reproductive toxicity study (diet) with Mandestrobin Technical: No effect on reproduction. No effect on fertility, non-embryo/fetal lethal

**Mutagenicity:** Mandestrobin Technical was negative for the Ames test.

For a summary of the potential for adverse health effects from exposure to this product, refer to Section 2. For information regarding regulations pertaining to this product, refer to Section 15.

**12. ECOLOGICAL INFORMATION**

**AVIAN TOXICITY:** Test results for mandestrobin technical on avian species include:

Acute Oral LD<sub>50</sub> canary: greater than 2000 mg/kg bw  
 Acute Oral LD<sub>50</sub> bobwhite quail: greater than 2250 mg/kg bw  
 Acute Dietary LC<sub>50</sub> mallard duck: greater than 5620 ppm  
 Acute Dietary LC<sub>50</sub> bobwhite quail: greater than 5620 ppm  
 Reproduction bobwhite quail: NOEC = 1000 ppm  
 Reproduction mallard duck: NOEC = 1000 ppm

**AQUATIC ORGANISM TOXICITY:** Test results for mandestrobin technical on aquatic species include:

Acute LC<sub>50</sub> (96 hr) Bluegill Sunfish: 2.3 mg/L  
 Acute LC<sub>50</sub> (96 hr) Rainbow Trout: 0.94 mg/L  
 Acute LC<sub>50</sub> (96 hr) Sheepshead Minnow: greater than 2.2 mg/L  
 Acute EC<sub>50</sub> (48 hr) Daphnia magna: 1.2 mg/L  
 Acute LC<sub>50</sub> (96 hr) Mysid Shrimp: 0.43 mg/L  
 Acute EC<sub>50</sub> (96 hr) Green algae: = 0.33 mg/L  
 Acute EC<sub>50</sub> (7 d) Duckweed: greater than 2.3 mg/L

**OTHER NON-TARGET ORGANISM TOXICITY:** Test results for mandestrobin technical on non-target species include:

Honeybee Acute Oral LD<sub>50</sub>: greater than 111 ug (microgram)/bee  
 Honeybee Acute Contact LD<sub>50</sub>: greater than 100 ug (microgram)/bee

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

**Waste from residues/unused products** For information on disposal of unused, unwanted product, contact the provincial regulatory agency or manufacturer. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**Contaminated packaging** Refer to pesticide label for proper container disposal instructions based on container type and size.

**14. TRANSPORTATION INFORMATION**

**DOT (ground) shipping name:** Not regulated for domestic ground transport by US DOT or Canada TDG.

**ICAO/IATA proper shipping name:** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (mandestrobin), 9, III, marine pollutant  
**Remarks:**

- Single or inner packaging less than 5 L (liquids) or 5 kg net (solids) excepted from Dangerous Goods regulations -- see IATA Special Provision A197.
- For U.S. shipping, Emergency Response Guidebook No. 171.

**IMDG proper shipping name:** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (mandestrobin), 9, III, marine pollutant  
**Remarks:**

- Single or inner packaging less than 5 L (liquid) or 5 Kg net (solids) excepted from Dangerous Goods regulations – see IMDG 2.10.2.7
- For US shipping, Emergency Response Guidebook No. 171

**EMS No.:** F-A, S-F

**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****PMRA LABEL INFORMATION THAT DIFFERS FROM WHMIS-GHS REQUIREMENTS:**

Pesticide products in Canada are registered by PMRA and are subject to certain labeling requirements under federal pesticide law. The label, as specified in the Pest Control Products Act, is the main document to be followed for safety, use, and handling. These label requirements may differ from the classification criteria and hazard information required under WHMIS GHS for the data sheets and for workplace labels of non-pesticide chemicals. The following hazard information is required on the product label:

**PMRA SIGNAL WORD:** • No Signal Word Required

**PMRA pesticide label hazard information:** Keep out of reach of children.

Chemical name	Canada DSL Inventory List -	Canada NDSL Inventory List -	EINECS Inventory List -
Propylene glycol	Present		Present
Starch	Present		Present
Potassium hydroxide, 45%	Present		Present

For information regarding potential adverse health effects from exposure to this product, refer to Sections 2 and 11.

**PESTICIDE REGULATIONS:** All pesticides are governed under PCPA (Pest Control Products Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

**PROVINCIAL REGULATIONS:** This product did not trigger any provincial regulations.

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**16. OTHER INFORMATION**

**REASON FOR ISSUE:** Updated information to meet WHMIS 2015 (GHS) regulations.  
**SDS NO.:** CAN-0448  
**PCPA REGISTRATION NUMBER:** 32289  
**REVISION NUMBER:** 1  
**REVISION DATE:** 08/29/2019  
**SUPERCEDES DATE:** August 12, 2013  
**RESPONSIBLE PERSON(S):** Valent U.S.A. LLC, Corporate EH&S, (925) 256-2803

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The Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE PMRA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use.

The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the PMRA under the authority of the *Pest Control Products Act* through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use a PMRA-registered pesticide product in any manner inconsistent with its labeling.

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