

Safety Data Sheet

BASF Safety Data Sheet
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Product: PRISTINE®

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1. Substance/preparation and company identification

PRISTINE®

Use: crop protection product, fungicide

Company:

BASF New Zealand Limited
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P.O. Box 407, Auckland 1140
Phone: + 64 9 255 4300
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E-mail address: reception.nz@basf.com

Emergency information:

National Poisons Centre: 0800 764 766

BASF Emergency Advice Number: 0800 944 955 (24 Hour Advice in an Emergency Only)

2. Hazard identification

Hazard Classification:

6.1D, 6.9B, 9.1A

Priority Identifier:

Warning. Keep out of reach of children

Secondary Identifiers:

6.1D May be harmful if swallowed.

6.9B May cause liver damage through prolonged or repeated oral exposure at high doses.

9.1A Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Chemical nature

crop protection product, fungicide, water dispersible granules

Hazardous ingredients

Boscalid

Content (W/W): 25.2 %

CAS Number: 188425-85-6

Hazard symbol(s): N

R-phrases(s): 51/53

pyraclostrobin

Content (W/W): 12.8 %

CAS Number: 175013-18-0

Hazard symbol(s): Xn, N

R-phrases(s): 20, 38, 50/53

sulfonated aromatic polymer sodium salt, surfactant blend

Content (W/W): 10.8 %

Hazard symbol(s): Xi

R-phrases(s): 36/38

Sodium alkylnaphthalenesulfonate blend

Content (W/W): 1.3 %

Hazard symbol(s): Xi

R-phrases(s): 36/38

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. First aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media:
water spray, foam, dry extinguishing media

Specific hazards:
carbon monoxide, hydrogen chloride, nitrogen oxides, organochloric compounds, sulfur oxides.
The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions:
Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

Environmental precautions:
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:
For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Cleaning operations should be carried out only while wearing breathing apparatus. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

7. Handling and storage

Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas.

APPROVED HANDLER:

Approved handlers are not required for this product except during use.
This product must be under the control of an approved handler if it is being applied in a wide dispersive manner or by a commercial contractor. Refer to the product label for handling precautions and directions for use.

Protection against fire and explosion:

Avoid dust formation. Avoid deposition of dust. Dust can form an explosive mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from foods and animal feeds. Segregate from strong acids. Segregate from strong bases. Segregate from strong oxidizing agents.

Further information on storage conditions:

Keep away from heat. Protect against moisture. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

AGGREGATE STORAGE VOLUME THRESHOLDS:

When stored with substances of the same hazard the aggregate quantity must be considered. For full details refer to the current standard NZS8409 Management of Agrichemicals or the HSNO Regulations.

Location Certificate*:	Hazardous Atmosphere Zone*:	Fire Extinguishers:	Signage [Hazard Class & Emergency Action]:	Emergency Information:	Emergency Response Plan:	Secondary Containment:
NA	NA	NA	100 kg	1 kg	100 kg	100 kg

* Note: Farms \geq 4 ha are exempt but with controls.

DO NOT STORE OR LOAD WITH:

Class 1 Explosive

SEGREGATE FROM:

Foodstuffs or Food Containers

Segregation: In store separate by at least 5 metres, on transport separate by at least 3 metres, in both cases horizontally. On vehicles a segregation device may be used: Check the Land Transport Rule Dangerous Goods, Rule 45001 for additional information. Sea transport may require additional segregation. Refer to NZS5433 Sea Segregation for details.

RECORD KEEPING

Records of use must be kept if more than 3 kg is applied within 24 hrs.

NOTE: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Breathing protection if dusts are formed. Wear respiratory protection if ventilation is inadequate. Particle filter Type P2 or FFP2, (medium efficiency for solid and liquid particles e.g. EN143,149)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other.

Eye protection:

Tightly fitting safety goggles (splash goggles) (EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Remove contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and chemical properties

Form: granules, extrudates
Colour: brown
Odour: almost odourless
pH value: approx. 6.5 (1 % (m), 20 °C) (as suspension)
Minimum ignition energy: > 100 - < 300 mJ
Bulk density: approx. 600 kg/m³
Solubility in water: dispersible

10. Stability and reactivity

Thermal decomposition: 172 °C

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

LD50/oral/rat: approx. 1,490 mg/kg
LC50/by inhalation/rat/male/female: > 5.4 mg/l / 4 h
LD50/dermal/rat: > 2,000 mg/kg
Primary skin irritation/rabbit: non-irritant
Primary irritations of the mucous membrane/rabbit: non-irritant
Sensitization/guinea pig: Non-sensitizing.

Additional information:

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Misuse can be harmful to health.

12. Ecological information

Ecotoxicity

Toxicity to fish:

Oncorhynchus mykiss/LC50 (96 h): 0.042 mg/l

Aquatic invertebrates:

Daphnia magna/EC50 (48 h): 0.08 mg/l

Aquatic plants:

Pseudokirchneriella subcapitata/EC50 (72 h): 4.99 mg/l

Persistence and degradability

Elimination information

Information on: *Boscalid*

Evaluation: *Not readily biodegradable (by OECD criteria).*

Information on: *pyraclostrobin*

Evaluation: *Not readily biodegradable (by OECD criteria).*

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations. Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

Container:

Triple rinse container and add residue to the spray tank. The rinsed container may be offered for recycling under the Agrecovery scheme. Alternatively, burn rinsed container in an appropriate incinerator if circumstances, especially wind direction, permit, or crush and bury in a suitable landfill. .

Product:

Dispose of this product only by using according to the label or at an approved landfill. Do NOT burn product.

Do NOT contaminate surface water with chemical or empty container.

14. Transport information

Commercial transport:

Classified as Dangerous Goods for Land/rail (ADR/RID), sea (IMDG/GGVSee) and air transport (ICAO/IATA):

DG Class 9
Packaging Group III
UN Number 3077
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Contains: BOSCALID 25%, PYRACLOSTROBIN 13%)
HAZCHEM: 2[Z]
Marine Pollutant: Yes

Public transport:

Do not carry this product on a passenger service vehicle.

15. Regulatory information

Regulations of the European union (Labeling) / National legislation/Regulations

EEC Directives:

Hazard symbol(s)

Xn Harmful.

N Dangerous for the environment.

R-phrase(s)

R22 Harmful if swallowed.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S20/21 When using do not eat, drink or smoke.

S35 This material and its container must be disposed of in a safe way.

S46 If swallowed, seek medical advice immediately and show this container or label.

S57 Use appropriate container to avoid environmental contamination.

Hazard determinant component(s) for labeling: BOSCALID, PYRACLOSTROBIN

Other regulations:

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

NZ Regulations

Approved pursuant to the HSNO Act 1996, Code HSR007853.

See www.ermanz.govt.nz for approval controls.

Registered pursuant to the ACVM Act 1997, No. P7595.

See www.nzfsa.govt.nz/acvm for registration conditions.

16. Other information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

- N Dangerous for the environment.
- Xn Harmful.
- Xi Irritant.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 20 Harmful by inhalation.
- 38 Irritating to skin.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 36/38 Irritating to eyes and skin.

DISCLAIMER: The information provided in this SDS is based upon sources believed to be accurate. However, BASF New Zealand Limited assumes no responsibility for the accuracy, completeness or suitability of this information. The product recipient/user is responsible for determining the suitability of this information for their particular purposes, and for observing existing laws and regulations.