

SAFETY DATA SHEET

1. Identification

Product identifier	Terra Guard
Pest Control Product Registration Number	35673
Recommended use	Fungicide
Restrictions on use	See product label
Canadian supplier identifier	Tide International Canada, Inc. 102-245 Hanlon Creek Boulevard Canada
Telephone Number	+1 866 699 7717
Email	Not available
Emergency phone number	+1 866 699 7717

2. Hazard identification

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015)

Health hazards	Combustible Dust	Combustible Dust(1)	Combustible Dust
Label elements			
Signal word	Warning		
Hazard statements	May form combustible dust concentration in air.		

3. Composition/information on ingredients

Chemical name	CAS number	Content (% w/w)
Boscalid	188425-85-6	70
Kaolin	1332-58-7	1.0-5.0

The exact concentration of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First-aid measures

Eye contact	Flush eyes with clean water, holding eyelids apart for a minimum of 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.
Skin contact	Immediately remove contaminated clothing and wash skin, hair and fingernails thoroughly with soap and water. Flush skin with plenty of water for 15-20 minutes.
Inhalation	Move victim to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
Ingestion	If swallowed, Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Most important symptoms and effects, both acute and delayed

None known.

Indication of immediate medical attention and special treatment needed, if necessary

There is no specific antidote if this product is ingested. Treat symptomatically.

5. Firefighting measures

Suitable extinguishing media

Dry chemical, CO₂, water spray or regular foam.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Hazards during fire-fighting: carbon monoxide, carbon dioxide, Hydrogen chloride, nitrogen oxides, organochloric compounds. The substances/groups of substances mentioned can be released in case of fire.

Hazardous combustion products

Carbon monoxide, carbon dioxide, Hydrogen chloride, nitrogen oxides, organochloric compounds

Special protective actions for fire-fighters

Firefighters should wear protective clothing and self-contained breathing apparatus.

6. Accidental release measures

Personal precautions

Evacuate personnel to safe areas. Do not touch or walk through the spilled material. If it can be safely done, stop the leak. Use personal protective equipment. Never return spills in original containers for re-use. Mark the contaminated area with signs and prevent access to unauthorized personnel. Only qualified personnel equipped with suitable protective equipment may intervene.

Methods and materials for containment and cleaning up

Never return spills in original containers for re-use. Pick up and transfer the spilled material to a properly labeled container without creating dust. For spills on concrete or other non-porous surfaces, the area can be cleaned using a small quantity of soap and water. Do not allow the cleaning solution to enter drains. Use an inert absorbent material to soak up the cleaning solution and transfer it to the properly labeled container. When the spill occurs on soil, the only effective way to decontaminate the area is to remove the top 5 to 7 centimeters of soil.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

7. Handling and Storage

Precautions for safe handling

KEEP OUT OF REACH OF CHILDREN. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a

potential for exposure to the material. Avoid breathing vapours or spray mist. Wear full protective clothing and equipment (see Section 8). After work, rinse gloves and remove protective equipment, and wash hands thoroughly with soap and water after handling, and before eating, tobacco use, drinking, applying cosmetics or using the toilet. Wash contaminated clothing before re-use and separate from household laundry. Keep containers closed when not in use. Protect product, wash or rinse water, and contaminated materials from uncontrolled release into the environment, or from access by animals, birds or unauthorized people.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store in a place accessible by authorized persons only. Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

The product is stable under normal conditions of warehouse storage.

Packaging materials

Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available.

Incompatible materials

None known

8. Exposure controls/Personal protection

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
Kaolin 1332-58-7	TWA: 2 mg/m ³ Respirable fraction; The value is for particulate matter containing no asbestos and <1% crystalline	PEL 5 mg/m ³ Respirable fraction PEL 15 mg/m ³ Total dust TWA: 5 mg/m ³ Respirable fraction TWA: 10 mg/m ³ Total dust

Appropriate engineering controls

Engineering Controls

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation, packaging and use of this product.

Consult the product label for commercial applications and/or on- farm

	applications. Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.
Individual protection measures	
Eye/face protection	Where eye contact is likely, wear chemical goggles or a full-face shield. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Skin and body protection	Impervious clothing Long sleeved clothing. Footwear protecting against chemicals. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hand protection	Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Respiratory protection	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
Hygiene measures	Avoid contact with skin, eyes and clothing. This product should be used only by all personnel thoroughly trained to handle it. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Do not inhale aerosol. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

9. Physical and chemical properties

Physical state	Granules
Colour	Beige granules
Odour	Moderate odor, smoky
Melting point and Freezing point	Not available
Boiling point, or initial boiling point and boiling range	Not available
Flammability	Not available
Lower flammable or explosive limit	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and accordance with the intended use.

Upper flammable or explosive limit	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and accordance with the intended use.
Flash point	Not Applicable
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	4- 7
Viscosity of liquids	Not available
Miscibility	Not available
Surface tension (1 g/l aqueous solution)	Not available
Explodability	Not available
Specific gravity	Not available
Oxidation / Reduction	Not available
Particle characteristics	Not applicable

10. Stability and reactivity

Chemical Stability	No decomposition if stored and applied as directed. No hazardous reactions if stored and handled as prescribed/indicated. Oxidizing properties: not fire-propagating Dust explosivity characteristics: Kst: 265 m. bar/s
Reactivity	Pmax=7.2 BARA Dust explosion class: Dust explosion class 2 (Kst-value 200 up to 300 bar m s-1) (St 2) Minimum ignition energy: 36 -45 mJ
Possibility of hazardous reactions	No decomposition if stored and applied as directed.
Hazardous polymerization	Hazardous polymerization does not occur. Limiting oxygen concentration: 10.5 volume% Avoid all sources of ignition: heat, sparks, open flame. This product may form an explosive mixture if:
Conditions to avoid	1. the dust is suspended in the atmosphere as a dust cloud AND 2. the concentration of the dust is above the lower explosion limit (LEL) AND 3. the limiting oxygen concentration (LOC) is exceeded.
Incompatible Materials	Oxidizing agents
Hazardous decomposition products	Stable under recommended storage conditions.

11. Toxicological information

Information on the likely routes of exposure

Acute toxicity

Acute oral
(rat) LD₅₀ >2000 mg/kg

Acute dermal
(rabbits) LD₅₀ > 2000 mg/kg

Acute inhalation
(rats) LC₅₀ :> 5.4 mg/l

Skin corrosion/irritation Not a skin irritant (rabbit)

Exposure minutes Not available

Erythema value Not available

Oedema value Not available

Serious eye damage/eye irritation Slightly irritating (rabbit)

Corneal opacity value Not available

Iris lesion value Not available

Conjunctival reddening value Not available

Recover days Not available

Respiratory or skin sensitization Not a skin sensitizer (Guinea Pig)

Information on toxicological effects

Symptoms Repeated inhalative uptake of particles/dust reaching the alveoli may cause damage to the lungs.

Mutagenicity Boscalid: No mutagenic effects.
Kaolin: No mutagenic effects.

Neurological effects

Carcinogenicity Boscalid: Not carcinogenic in rats and mice.
Kaolin: Not carcinogenic in rats

Reproductive toxicity Boscalid: Did not show reproductive toxicity effects in animal experiments.
Kaolin: Did not show reproductive toxicity effects in animal experiments.

Developmental toxicity Not available

STOT - single exposure Not available

STOT - repeated exposure Boscalid: Adaptive effects were observed after repeated exposure in animal studies.
Kaolin: Repeated inhalative uptake of particles/dust reaching the alveoli may cause

	damage to the lungs.
Neurological effects	Not available
Aspiration hazard	Not available
Naphtha (petroleum), heavy aromatic:	Not available
Calcium alkyl benzene sulphonate in isobutanol	Not available
Chronic toxicity	Not available
Methyl pyrrolidone	Not available

12. Ecological information

Ecotoxicity	Toxicity to fish	LC ₅₀ for <i>Cyprinus carpio</i> : 420 mg/l Exposure time: 96 h
	Toxicity to daphnia and other aquatic invertebrates	EC50 (<i>Daphnia magna</i> (Water flea)): >1000 mg/l Exposure time: 48 h
	Toxicity to algae/aquatic plants	EC50 (<i>Pseudokirchneriella subcapitata</i> (green algae)): 150 mg/l Exposure time: 72 h
	Toxicity to terrestrial organisms	With high probability not acutely harmful to terrestrial organisms.
	Persistence and degradability	No information available
Bioaccumulation	Remarks: Does not bioaccumulate in organisms.	
Mobility in soil	Boscalid: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.	
Other adverse effects	No information available	

13. Disposal considerations

Waste treatment methods	For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Disposal should be made in accordance with federal, provincial and local regulations.
Contaminated packaging	Do not reuse container for any purpose. If applicable, return container in accordance with return program. If a recyclable container, dispose of at a container collection site. Contact local distributor, dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site, triple or pressure rinse the empty container adding rinsings to spray tank, and make container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

14. Transport information

Transportation of Dangerous Goods

(TDG - Canada):	Not classified as a dangerous good under transport regulations
IATA/ICAO (Air transport)	Not classified as a dangerous good under transport regulations
IMDG (Marine transport)	Not classified as a dangerous good under transport regulations

15. Regulatory information

Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product. This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label:

POISON

WARNING - EYE IRRITANT

16. Other information

Issue date	October 16, 2025
Revision date	Not applicable
Version number	1.0
Other information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.
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