

SAFETY DATA SHEET

1. Identification

Product identifier	TIDE PYRACLOSTROBIN SHIELD
Pest Control Product Registration Number	35577
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	Flammable liquid	Category 4
	Aspiration Hazard	Category 1
	Skin corrosion/irritation	Category 2
	Serious eye damage/irritation	Category 2A
Label elements		
Signal word	Danger	
Hazard statements	H227	Combustible liquid
	H304	May be fatal if swallowed and enters airways
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
	P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/
Precautionary statements	P370 + P378	In case of fire: Use ... to extinguish
	P403	Store in a well-ventilated place.
	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor/
	P331	Do NOT induce vomiting.
	P405	Store locked up
	P264	Wash ... thoroughly after handling.

P280	Wear protective gloves.
P302 + P352	IF ON SKIN: Wash with plenty water/
P321	Specific treatment (see ... on this label)
P332+P317	If skin irritation occurs: Get medical help
P362 + P364	Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

3. Composition/information on ingredients

Chemical name	Common name and synonyms	CAS number	Content (w/v)
Pyraclostrobin	Not applicable	175013-18-0	250 g/L
Other	Not applicable	Not applicable	Up to 1L

4. First-aid measures

Inhalation	Move person to fresh air. If 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.
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.
Eye contact	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 poison control centre or doctor for treatment advice.
Ingestion	Take the container label or product name and Pest Control Product Registration Number with you when seeking medical attention. Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
Toxicological Information	This product contains petroleum distillates. Treatment should be based on judgment of the physician in response to reactions of the patient.

Vomiting may cause aspiration pneumonia.

5. Firefighting measures

Flashpoint	≥ 98 °C
Suitable extinguishing media	For small fire: dry chemical powder, water spray carbon dioxide. For large fire: foam, water fog, water spray.
Special exposure hazards	Flashback may occur along vapor trail
Fire and explosion hazards	Dangerous gases are evolved in the event of a fire.
Fire fighting procedures	Fight fire from a safe distance and protected location. Fight fire upwind to avoid hazardous vapors and decomposing products. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Empty containers may contain residue product and can be dangerous. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or public waters.
Special protective equipment and precautions for fire-fighters	As with any fire, wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. Accidental release measures

Spill and leak response	Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.
Personal precautions, protective equipment, and emergency procedures	The proper personal protective equipment for incidental releases (such as 1 liter of product released in a well ventilated area), use impermeable gloves, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator maybe required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with the latest OSHA and/or ANSI recommendations.
Methods and materials for containment and cleaning up	Absorb spilled liquid with poly pads or other absorbent materials. Clean up with non-combustible absorbent (such as sand, soil, and so on). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of

Environmental precautions	disposal. Stop spill at source. Construct temporary dikes of dirt, sand, or appropriate readily available material to prevent spreading of material. Close cap or valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate assistance.
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7. Handling and Storage

Precautions for safe handling	Handle and open container in a manner as to prevent spillage. Avoid contact with skin, eyes and clothing. Use only in area provided with appropriate exhaust ventilation.
Advice on protection against fire and explosion	Keep away from heat and sources of ignition.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. 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. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.
Conditions for safe storage, including any incompatibilities	Store in original container and out of the reach of children, preferably in a locked storage area. Keep away from direct sunlight. 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.

8. Exposure controls/Personal protection

Control parameters, including occupational exposure guidelines or biological exposure limits and the source of those values Appropriate engineering controls	Use adequate ventilation to minimize airborne concentrations of this material.
Individual protection measures Eye/face protection Skin protection Body Protection	Use safety glasses, goggles, or face shield. Wear clean clothing with full length sleeves and pants. Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

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.

Follow manufacturer's instructions for cleaning/ maintaining personal protective equipment, PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. Physical and chemical properties

Physical state	Liquid
Colour	Sun-yellow to brown
Odour	Odorless
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	Not available
Upper flammable or explosive limit	Not available
Flash point	≥ 98 °C
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	5-8
Kinematic viscosity	Not available
Solubility in water	Emulsifiable, insoluble
Partition coefficient - n-octanol/water	Not available
Vapour pressure	Not available
Density and relative density	0.98-1.08 g/cm ³ at 20 °C
Relative vapour density	Not available
Particle characteristics	Not applicable

10. Stability and reactivity

Chemical Stability	Stable under normal use and storage conditions.
Possibility of hazardous reactions	Will not occur
Conditions to avoid	Avoid contact with heat or open flame.
Incompatible Materials	None known.
Hazardous decomposition products	Can decompose at high temperatures forming toxic gases.

11. Toxicological information

Information on the likely routes of exposure

Acute toxicity

Acute oral (rat)	LD ₅₀ > 260 mg/kg
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Acute dermal (rabbits)	LD ₅₀ > 4000 mg/kg
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Acute inhalation (rats)	Not available
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Skin corrosion/irritation	Moderate skin irritation. (Rabbit)
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Exposure minutes	Not available
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Erythema value	Not available
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Oedema value	Not available
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Serious eye damage/eye irritation	Severe eye irritation. (Rabbit)
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Corneal opacity value	Not available
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Iris lesion value	Not available
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Conjunctival reddening value	Not available
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Recover days	Not available
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Respiratory or skin sensitization	Non-sensitizing. (Mouse)
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Respiratory sensitization	Not available
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Germ cell mutagenicity	Not available
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Carcinogenicity	Not available
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Aspiration hazard	Not available
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Chronic effects	Not available
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Further information	Not available
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12. Ecological information

Ecotoxicity

Fish: LC₅₀ (96 h): *Oncorhynchus mykiss*/LC₅₀ (96 h): 0.0229 mg/l

Daphnia: EC₅₀ (48 h): 0.046 mg/l

Algae: EC₅₀ (72 h): 0.69 mg/l

Information on: Pyraclostrobin

Environmental mobility

Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Other adverse effects

Not available

13. Disposal considerations

Information on safe handling for disposal and methods of disposal

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

Contaminated packaging

Dispose of product containers, waste containers, and residues according to label instructions and municipal, provincial, and federal health and environmental regulations.

14. Transport information

Transportation of Dangerous Goods (TDG - Canada):

UN number	2902
UN Proper shipping name	PESTICIDE, LIQUID, TOXIC, N.O.S. (contains SOLVENT NAPHTHA, PYRACLOSTROBIN)
Hazard class	6.1
Packing group	III
Hazard label	6.1, EHSM

IATA/ICAO (Air transport)

UN Number	2902
Proper shipping name	PESTICIDE, LIQUID, TOXIC, N.O.S. (contains SOLVENT NAPHTHA, PYRACLOSTROBIN)
Hazard class	6.1
Packing group	III

IMDG (Marine transport)

UN Number	2902
Proper shipping name	PESTICIDE, LIQUID, TOXIC, N.O.S. (contains SOLVENT NAPHTHA, PYRACLOSTROBIN)
Hazard class	6.1
Packing group	III
Marine pollutant	Yes

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:

Danger: Poison
Skin and eye irritant

16. Other information

Issue date	July 31, 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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