



SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication 29 CFR 1910.1200 (g)(2).

HARQUEBUS Plus SC

Version Revision Date:
3.0 10/20/2025

1. IDENTIFICATION OF THE PRODUCT & COMPANY

Product Name: HARQUEBUS Plus SC

Other means of identification: EPA Reg. No. 103087-3

Intended Use: Fungicide

Company Identification:

Longwind Cropsience USA LLC.
8 THE GREEN, STE A, DOVER, KENT,
DE, 19901, UNITED STATES

Emergency Information: In the event of a leak, fire or medical emergency involving a human or animal please call INFOTRAC: 1-800-535-5053 or Outside the USA and Canada at 1-352-323-3500, 24/7/365.

2. HAZARD IDENTIFICATION

GHS-US classification

Health and Environmental Hazards:

Reproductive toxicity	Category 2
Acute toxicity(Inhalation)	Category 4

Required Label Elements

Pictograms:



Signal Word: Warning

Hazard Statements:

Suspected of damaging fertility or the unborn child.
Harmful if inhaled.

Precautionary Statements:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Avoid breathing mist/ vapours.
Use only outdoors or in a well-ventilated area.
IF exposed or concerned: Get medical advice/ attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor/physician if you feel unwell.
Store locked up.
Protect from sunlight.
Dispose of contents/container in accordance with local regulation.

Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.
No health hazards not otherwise classified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	CONTENT %	Active Ingredient
Prothioconazole	178928-70-6	19%	X
Tebuconazole	107534-96-3	19%	X
Ethylene glycol	107-21-1	3-6%	
Silicone Fluid 100	63148-62-9 or 9006-65-9	<0.15%	

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General advice: When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eyes: 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 physician

or poison control center immediately.

Skin: Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

Ingestion: Call a physician or poison control center immediately. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Rinse out mouth and give water in small sips to drink. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

Inhalation: Move to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

5. **FIRE FIGHTING MEASURES**

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Special Hazards Arising from the Substance/Mixture: In the event of fire the following may be released: Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Sulphur oxides, Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x).

Advice for Fire Fighters:

Special protective equipment for firefighters: In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further Information: Keep out of smoke. Fight fire from upwind position. Cool close containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

6. **ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods for Containment/Clean-Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

7. **HANDLING AND STORAGE**

Precautions for safe handling

Handling: Handle and open container in a manner as to prevent spillage. Use only in area provided with appropriate exhaust ventilation.

Hygiene measures: 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

Storage: 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. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing. Keep away from direct sunlight.

Advice on common storage: Keep away from food, drink and animal feedingstuffs.

8. **EXPOSURE CONTROL/PERSONAL PROTECTION**

Control parameters: No additional information available

Exposure Controls:

Personal Protective equipment:

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Hand protection: Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber or Viton).

Eye protection: Tightly fitting safety goggles

Skin and body protection: Wear long-sleeved shirt and long pants and shoes plus socks.

Respiratory protection: When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulator standards and/or industry recommendations.

General protective measures: 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.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Off-white liquid
Odor:	Mild characteristic odor
Melting/Freezing Point:	Not determined
pH:	5.0-8.0
Flash point:	No flash point until 150 °C
Density:	1.1152g/ml (20.0 ± 0.5°C);
Oxidation/reduction:	The test substance is compatible with water, monoammonium phosphate, iron powder and kerosene, but incompatible with potassium permanganate.

10. **STABILITY AND REACTIVITY**

Reactivity: Stable under normal conditions of use.

Chemical stability: Stable under normal use and storage conditions.

Possibility of hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions.

Conditions to Avoid: Extremes of temperature and direct sunlight.freezing

Incompatible materials: No incompatible materials known.

Hazardous Decomposition Products: No decomposition products expected under normal conditions of use.

11. **TOXICOLOGICAL INFORMATION**

Toxicological effects

Acute oral toxicity rat:	LD ₅₀ >2000 mg/kg
Acute dermal toxicity rabbit:	LD ₅₀ >5050 mg/kg
Acute inhalation toxicity rat(4h):	LC ₅₀ > 2.18 mg/L(maximum concentration tested)
Skin irritation rabbit:	Non irritating

Eye irritant rabbit: Minimally irritating.
Sensitisation guinea pig: Non-sensitizing

Assessment STOT Specific target organ toxicity – single exposure

Prothioconazole: Based on available data, the classification criteria are not met.

Tebuconazole: Based on available data, the classification criteria are not met.

Assessment STOT Specific target organ toxicity – repeated exposure

Prothioconazole did not cause specific target organ toxicity in experimental animal studies.

Tebuconazole did not cause specific target organ toxicity in experimental animal studies.

Assessment mutagenicity

Prothioconazole was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

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

Assessment carcinogenicity

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

Tebuconazole caused at high dose levels an increased incidence of tumours in mice in the following organ(s): Liver. The mechanism of tumour formation is not considered to be relevant to man.

Assessment toxicity to reproduction

Prothioconazole 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 Prothioconazole is related to parental toxicity.

Tebuconazole 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 Tebuconazole is related to parental toxicity.

Assessment developmental toxicity

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

Tebuconazole caused developmental toxicity only at dose levels toxic to the dams. Tebuconazole caused an increased incidence of post implantation losses, an increased incidence of non-specific malformations.

Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

Only acute toxicity studies have been performed on the formulated product.

The non-acute information pertains to the active ingredient(s).

12. ECOLOGICAL INFORMATION

Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)) 1.83 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient prothioconazole.

LC50 (Oncorhynchus mykiss (rainbow trout)) 4.4 mg/l
Exposure time: 96 h

	The value mentioned relates to the active ingredient tebuconazole.
	LC50 (Lepomis macrochirus (Bluegill sunfish)) 5.7 mg/l Exposure time: 96 h
Toxicity to aquatic invertebrates	The value mentioned relates to the active ingredient tebuconazole. LC50 (Daphnia magna (Water flea)) 1.3 mg/l Exposure time: 48 h
	The value mentioned relates to the active ingredient prothioconazole.
	LC50 (Daphnia magna (Water flea)) 4.2 mg/l Exposure time: 48 h
Toxicity to aquatic plants	The value mentioned relates to the active ingredient tebuconazole. EC50 (Raphidocelis subcapitata (freshwater green alga)) 3.8 mg/l Exposure time: 72 h
	The value mentioned relates to the active ingredient tebuconazole.
	ErC50 (Skeletonema costatum) 0.03278 mg/l Exposure time: 72 h
	The value mentioned relates to the active ingredient prothioconazole.
	EC10 (Skeletonema costatum) 0.01427 mg/l Growth rate; Exposure time: 72 h
Biodegradability	The value mentioned relates to the active ingredient prothioconazole. Prothioconazole: Not rapidly biodegradable
Koc	Tebuconazole: Not rapidly biodegradable Prothioconazole: Koc: 1765
Bioaccumulation	Tebuconazole: Koc: 769 Prothioconazole: Bioconcentration factor (BCF) 19 Does not bioaccumulate.
	Tebuconazole: Bioconcentration factor (BCF) 35 - 59 Does not bioaccumulate.
Mobility in soil	Prothioconazole: Slightly mobile in soils Tebuconazole: Slightly mobile in soils
Results of PBT and vPvB assessment	
PBT and vPvB assessment	Prothioconazole: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
	Tebuconazole: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
Additional ecological information	No other effects to be mentioned

13. DISPOSAL CONSIDERATIONS

Pesticide disposal: Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

Dispose in accordance with all local, state/provincial and federal regulations.

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

Ecology-waste materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

UN Number: 3082

UN Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

Transport hazard class: 9

Packing group: III

Marine pollutant: Yes

15. REGULATORY INFORMATION

EPA Registration No. 103087-3

Environmental

CERCLA

None.

Clean Water Section 307(a)(1)

None.

Safe Drinking Water Act Maximum Contaminant Levels

Yes

Tebuconazole 107534-96-3

EPA/FIFRA Information:

This chemical is a pesticide product regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

Signal word: Caution!

Hazard statements:

Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation.

16. OTHER INFORMATION

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.