



Revision Date: February 5, 2024



Section 1 – Identification

Product Identifier: Phobos FC

Recommended use: **Refer to product label for use instructions.**

Manufacturer/Supplier: Vive Crop Protection Inc., 500 Westover Dr. #10198, Sanford, NC 27330

Web: <http://www.vivecrop.com>

Technical Assistance: support@vivecrop.com

Sales enquiries: sales@vivecrop.com

Phone: 1-888-760-0187

24-Hour Emergency Phone: **ChemTel Inc.**

North America: 1-800-255-3924

Outside North America: +1-813-248-0585

Section 2 – Hazard Identification

Classification: The following hazard classification is in accordance with **29 CFR 1910.1200 [OSHA HCS 2012]** in the United States of America, and **WHMIS 2015** in Canada.

Label Elements, Including Precautionary Statements:

Signal Word: None

Hazard Statements: None

Precautionary Statements: None

Section 3 – Composition/Information on Ingredients

Component	CAS	Wt %
Prothioconazole	178928-70-6	32.3%

Contains other ingredients not otherwise classified as hazardous or present in concentrations which warrant inclusion in this SDS.

Section 4 – First-Aid Measures

Ingestion	P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
Inhalation	P304 + P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
Eye Contact	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; P337 + P313 If eye irritation persists: Get medical attention
Skin Contact	P302 + P312 IF ON SKIN: Call a POISON CENTER or physician if you feel unwell P332

	+ P313 If skin irritation occurs: Get medical advice.
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Section 5 – Fire Fighting Measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Specific hazards: May produce toxic and irritant vapors

Special protective equipment: Wear self-contained breathing apparatus for fire fighting

Section 6 – Accidental Release Measures

Personal Precautions: Wear respiratory protection. Wear protective gloves/protective clothing. Do not breathe mist/spray. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environment Precautions: Do not let product enter drains. Discharge into the environment must be avoided.

Methods and Materials for Containment and Cleaning Up: Absorb using inert materials and dispose of in accordance with local regulations. Do not let the material dry before cleaning the spill.

Section 7 – Handling and Storage

Conditions for Safe Storage: P403 +P233 – Store in a well-ventilated place. Keep container tightly closed; P405 - Store locked up; Avoid extreme temperatures

Section 8 - Exposure Controls/Personal Protection:

Component	OSHA PEL	ACGIH TLV	AOEL
Prothioconazole	N/A	N/A	0.2 mg/kg bw/day

Engineering Controls: This product is intended to be used outdoors. If necessary, provide local exhaust ventilation and use appropriate containment procedures to maintain airborne levels at a safe concentration.

Personal Protective Equipment:
Wear eye protection and protective gloves.

Section 9 – Physical and Chemical Properties

Appearance	Off-white, Liquid
Odor	Characteristic Odour

Odor threshold	Not available
pH	6.26 @ 20°C
Melting point	Not available
Freezing point	Not available
Initial Boiling point/Boiling Range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative Density	1.13g/mL
Solubility	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	77.9 cP @ 20°C

Section 10 –Stability and Reactivity

Reactivity	Strong Oxidizers
Chemical Stability	Stable under normal conditions
Hazardous Reactions	Not known
Conditions to Avoid	Excessive heat and open flames.
Incompatible Materials	Strong oxidizers such as nitrates, nitrites, or chlorates. Strong acids or acid minerals.
Hazardous Decomposition Products	Not available

Section 11 – Toxicological information:

Acute Oral LD50	>5000 mg/kg bw in rats
Acute Dermal LD50	Not toxic
Acute Inhalation LC50	>2.89 mg/L
Eye Irritation / Corrosion	EPA Toxicity Category (Dec 2002): 3 Rabbits: No corneal epithelium damage at 24h, post TIA
Skin Irritation / Corrosion	Non-irritant in rabbits



Revision Date: January 3, 2024



Dermal Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available
STOT-Single Exposure	No data available
STOT-Repeated Exposure	No data available
Aspiration Hazard	No data available
Acute Exposure Symptoms	No data available
Chronic Exposure Symptoms	No data available
Interactions	No data available

Section 12 – Ecological Information (For Prothioconazole):

Bird LD50	Not known
Bird Dietary LD50	Not known
Fish Acute 96-h LC50	1.83 mg/L
Fish Chronic 30-d	Not known
Aquatic Invertebrate Acute EC50	1.3mg/L
Aquatic Crustacean Acute LC50	Not known
Algae Acute 72-h IC50	2.18 mg/L
Honeybee Acute 48-h	Not known
Earthworm Acute 14-d	Not known
Soil Degradation DT50	Not known
Aqueous Photolysis DT50	Not known
Aqueous Hydrolysis DT50	Not known
Bioaccumulation Potential	Does not bioaccumulate (BCF: 19)

Section 13 – Disposal: P501 – Dispose of contents/container in accordance with local/regional/national/international regulations. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA regional Office for guidance. Dangerous to the environment. Avoid all releases to sewer.

Section 14 – Transportation Information:

Vive Crop Protection Inc., 500 Westover Dr. #10198, Sanford, NC 27330 Tel +1-888-760-0187

DOT (US) Ground – Non-Bulk (<= 119 Gallons):
Not hazardous

DOT (US) – Marine or Bulk (> 119 Gallons):
UN-Number: 3082
Class: 9
Packing Group: III
Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S. (Prothioconazole mixture), marine pollutant

Air Transport (IATA)
UN-Number: 3082
Class: 9
Packing Group: III
Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S. (Prothioconazole mixture), marine pollutant
Exemptions: “Not Restricted” as per IATA special provision A197 provided that the net quantity in any receptacle does not exceed 5 kg or 5 L and the packaging used meets defined standards.

Section 15 – Regulatory Information:

FIFRA: This mixture is a pesticide product as per the United States 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 (SDS) and material safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

EPA Registration No: 89118-17

Section 16 – Other Information:

LEGAL NOTICE: Vive Crop Protection, Inc. requests all users of this product to study this Material Safety Data Sheet (SDS) and become aware of all product hazards and safety information. The data in this SDS relate only to the specific product designated herein and do not relate to use of such product in combination with any other material or in any process. To promote the safe use of this product, all users should notify their employees, agents and contractors of the information in this SDS and any other product hazards and safety information.

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