



# Safety Data Sheet

## PROBLAD BIOFUNGICIDE

Revision Date: 2021-29-03

Version: 1.0 (EN)

This SDS has been prepared to meet U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Workplace Hazardous Materials Information System (WHMIS) requirements.

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** PROBLAD BIOFUNGICIDE

**Recommended use** Fungicide

**Company Address:** CEV, SA  
Zona Industrial de Cantanhede / BiocantPark - Lote 120  
3060-197 Cantanhede, Portugal

**Telephone:** +351 231 419 363

### 2. HAZARDS IDENTIFICATION

**Appearance** Brown liquid

**Physical state** Liquid

**Odor** Sweet earthy odor

#### **Potential health effects**

##### **Acute effects**

**Eyes** May cause slight irritation.

**Skin** Substance may cause slight skin irritation.

**Inhalation** May cause irritation of respiratory tract.

**Ingestion** No hazard from product as supplied. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic effects** No known effect based on information supplied.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	40
Mixture of inert, non-reactive ingredients	Not Applicable	40
Active Ingredient: Protein extracted from plants of the genus Lupinus	1219521-95-5	20

## 4. FIRST AID MEASURES

<b>Eye contact</b>	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
<b>Skin contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

## 5. FIRE-FIGHTING MEASURES

<b>Flash point</b>	No information available
<b>Sensitivity to Mechanical Impact</b>	Not applicable
<b>Sensitivity to Static Discharge</b>	Not applicable
<b>Protective equipment and precautions for firefighters</b>	In the event of fire, wear self contained breathing apparatus.

### NFPA

<b>Health Hazard</b>	1
<b>Flammability</b>	1
<b>Stability</b>	0
<b>Special Hazards</b>	-

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Isolate and post spill area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.
<b>Environmental precautions</b>	Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.
<b>Methods for containment</b>	Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Clean and neutralize spill area, tools and equipment by washing with bleach water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Store in original container only.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b><u>Exposure guidelines</u></b>	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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### **Occupational exposure controls**

#### **Engineering measures**

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

**Personal Protective Equipment****General Information****Respiratory protection****Eye/face protection****Skin and body protection****Hand protection****Hygiene measures**

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

For dust, splash, mist or spray exposures wear a filtering mask.

For dust, splash, mist or spray exposure, wear chemical protective goggles or a face-shield.

Wear long-sleeved shirt, long pants, socks, shoes, and gloves.

Protective gloves.

Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Launder work clothing separately from regular household laundry.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Brown liquid
<b>Color</b>	Brown
<b>Physical state</b>	Liquid
<b>Odor</b>	Sweet earthy odor
<b>pH</b>	5.0 – 7.5
<b>Melting Point/Range</b>	No information available
<b>Freezing point</b>	No information available
<b>Boiling Point/Range</b>	100±0 (°C)/99-100(°C)
<b>Flash Point</b>	No information available
<b>Evaporation rate</b>	Not applicable
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Density</b>	1.20 ± 0.06 g/mL
<b>Water solubility</b>	Soluble in water
<b>Percent volatile</b>	No information available
<b>Partition coefficient</b>	Not applicable
<b>Viscosity</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable
<b>Conditions to avoid</b>	None known
<b>Hazardous decomposition products</b>	None known
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur

**11. TOXICOLOGICAL INFORMATION**

<b>Eye contact</b>	Slightly or non-irritating (rabbit)
<b>Skin contact</b>	Slightly or non-irritating (rabbit)
<b>LD50 Dermal</b>	> 4000 mg/kg (rat)
<b>LD50 Oral</b>	> 5000 mg/kg (rat)
<b>LC50 Inhalation</b>	> 5.34 mg/L (rat)
<b>Sensitization</b>	Non-sensitizing

**Chronic Toxicity - Other Ingredient(s)**

<b>Chronic Toxicity</b>	No known effect based on information supplied
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

<b>Ecotoxicity effects</b>	Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.
<b>Environmental Fate</b>	No known effect based on information supplied.

### 13. DISPOSAL CONSIDERATIONS

Waste disposal methods	Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance.
Contaminated packaging	Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

### 14. TRANSPORT INFORMATION

<u>DOT</u>	This material is not a hazardous material as defined by U.S. Department of Transportation at 49 CFR Parts 100 through 185.
Packaging Type	Bulk, Non-Bulk
<u>TDG</u>	Not regulated
<u>ICAO/IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

##### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

##### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### International Regulations

Mexico – Grade Slight risk, Grade 1

#### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class Non-controlled

### 16. OTHER INFORMATION

Revision Date: 2021-03-29

#### Disclaimer:

CEV, SA believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of CEV, SA, CEV, SA expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

**End of Safety Data Sheet**