SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Trade name : PROBLAD

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Fungicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

CEV, S.A.
Zona Industrial de Cantanhede / BiocantPark - Lote 120
3060-197 Cantanhede, Portugal
T +351 231 419 360
cev@cev.com.pt - www.cev.com.pt

1.4. Emergency telephone number

Emergency number : +351 231 419 360

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP). Classification and labelling are based on toxicological studies performed on the product (mixture).

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : None

Hazard statements (CLP) : None

EUH-statements : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

Precautionary statements : P102: Keep out of reach of children
P264: Wash thoroughly after handling
P501: Dispose of contents/container to a suitable disposal site in accordance with local and national regulations

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. The product is not a substance.

3.2. Mixtures

This product does not contain any ingredients which are neither classified as hazardous according to CLP nor having an occupational exposure limit.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : 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 centre or doctor for further treatment advice.

First-aid measures after 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.

First-aid measures after eye contact : 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 centre or doctor for further treatment advice.

First-aid measures after ingestion : Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available.

4.3. Indication of any immediate medical attention and special treatment needed

No specific treatment. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam; Carbon dioxide; Extinguishing powder; Water spray jet.

Unsuitable extinguishing media : High power water jet

5.2. Special hazards arising from the substance or mixture

In case of fire, the following can be released : Carbon dioxide (CO_2); Carbon monoxide (CO).

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Wear complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Refer to protective measures listed in sections 7 and 8.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceaus earth and place in container for disposal according to local regulations (see section 13). When picked up, treat material as prescribed under heading "Disposal considerations".

6.4. Reference to other sections

Information regarding waste disposal, see section 13. Information regarding personal protective measures, see section 8. Information regarding safe handling, see section 7.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : No special measures necessary if stored and handled as prescribed. Provide good ventilation at the work area (local exhaust ventilation, if necessary). Wear personal protective equipment.

General protective and hygiene measures : Keep away from foodstuffs and beverages. Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Remove soiled or soaked clothing immediately. Do not inhale vapours.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions : Keep container tightly closed and dry in a cool, well-ventilated place, preferably within a temperature range of 5 ºC to 35 ºC. Keep from freezing Protect from heat and direct sunlight.

Requirements for storage rooms and vessels : Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

Advice on storage assembly : Do not store together with foodstuffs.

7.3. Specific end use(s)

Always read the label and product information before use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Exposure controls

Appropriate engineering controls : No data available.

Personal protective equipment

Hand protection : In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn.

Appropriate material: nitrile rubber.

Eye protection : Safety glasses (EN 166)

Skin and body protection : Wear suitable protective chemical-resistant work clothes.

Rubber boots (EN 13832-3/EN ISO 20345)

Respiratory protection : If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold are not specified.

Other : Chemical-resistant work clothes. Rubber boots (EN 13832-3/EN ISO 20345)

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid.
Colour	: Dark brown.
Odour	: Pungent
Odour threshold	: No data available
pH	: 5.0 – 7.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: ≈ 100 °C
Flash point	: Flash point >100°C. The test item is not flammable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.255 g/mL
Density	: 1.14 – 1.26 g/mL
Solubility	: Soluble in water
Log Pow	: No data available
Viscosity, kinematic	: At 20°C 765.932 and at 40°C 230.181 mm^2s^{-1}
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive
Oxidising properties	: Not oxidizing
Explosive limits	: No data available

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive and stable under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7.)

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

LD_{50} oral rat	> 5000 mg/kg
LD_{50} dermal rat	> 2000 mg/kg
LC_{50} inhalation rat (mg/l)	> 5.34 mg/L

Skin corrosion/irritation : Non-irritant (Skin irritation, rabbit, OECD 404)

Serious eye damage/irritation : Non-irritant (Eye irritation, rabbit, OECD 405))

Respiratory or skin sensitisation : Non-sensitising (Skin sensitisation, guinea pig, OECD 406, Buehler)

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

11.2. Endocrine disrupting properties

The active substance does not meet the criteria for endocrine disruption for humans.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute fish (*Oncorhynchus mykiss)*	96-hr LC_{50} >50000 µg/L
Acute invertebrate (*Daphnia magna)*	48-hr EC_{50} >75000 µg/L
Chronic invertebrate (*Daphnia magna)*	21-d EC_{10} >2700 µg/L
Algae (*Raphidocelis subcapitata*)	72-hr EyC_{50} = 12000 µg/L 72-hr ErC_{50} = 51000 µg/L

12.2. Persistence and degradability

The product is readily biodegradable.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

This product is not considered a PBT or vPvB..

12.6. Endocrine disrupting properties

The a.i. does not meet the criteria for endocrine disruption for non-target organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product : Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging : Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Freezing of the product shall be avoided.

- Overland transport Not regulated.

- Transport by sea Not regulated.

- Air transport Not regulated.

- Inland waterway transport Not regulated.

- Rail transport Not regulated.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available, this product does not contain any substance considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to the data available, this product does not contain any substances that are considered substances meeting the criteria for inclusion in Annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and 59 of REACH regulation (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles

According to the data available, this product does not contain any substances requiring authorisation as listed on Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried ou for this mixture.

SECTION 16: Other information

Full text of H- and EUH-statements:

EUH401	To avoid risks to human health and the environment, comply with the instructions for use

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.