

Protect

Date : 01/06/2009

Version No. 3

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1 SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

Product identifier

1.1 A. Product name: **PROTECT**

1.2 Relevant identified uses of the substance or mixture and uses advised against Activator of the plant's immune defences.

1.3 Details of the supplier of the safety data sheet

Supplier identification	Terra Aquatica
Address	4 Boulevard du biopole, 32500 Fleurance
Phone number	+33 (0)5 62 06 08 30
E-mail address	info@eurohydro.com

1.4 Emergency telephone number

Medical services/ emergency services	999
Fire and rescue services	999
Police	101
EU Emergency call line	112
Toxicological Information Centre ORFILA (INRS)	+33 01 45 41 59 59
Toxicological Information Centre South West	+33 05 61 77 74 47

2 SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Reg. 1272/2008/CLP In accordance with Regulation No. 1272/2008 (CLP), the product is not considered dangerous.

Additional information :

Hazards for humans	None
Environmental hazards	None
Physico-chemical hazards	None
Other hazards	None

Labelling elements

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

2.2	Hazard pictograms	None
	Signal word	None
	Hazardous substances to be indicated on the label	None
2.3	Hazard statements H:	None
	Other hazards Reg. 1272/2008/CLP	None
	Precautionary statements P:	Phrases P P102 Keep out of reach of children

3 SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Substances	Non applicable
3.2	Mixtures Name	Protect
	Other data for the identification of dangerous substances	Macerated plant extracts not containing substances classified as hazardous to health or the environment.

4 SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Following eye contact	Wash immediately with plenty of water, keeping the eyelids well apart, and consult a specialist if irritation persists.
Following skin contact	Non-irritating. Wash with plenty of soapy water. Remove impregnated clothing.
Following ingestion	Do not induce vomiting. Give water (0.5 to 1l) to dilute the product. In case of indisposition, consult a doctor by showing the product label. Possibility of mild diarrhea due to the activity of enzymatic bacteria in the stomach.
Following inhalation	In case of indisposition, consult a specialist.
Other information	None

4.2	Most important symptoms and effects, both acute and delayed	Potential acute health effects: No known effect / no data are available.
	Indication of any immediate medical attention and special treatment needed	Signs/symptoms of overexposure: No specific data. Symptomatic treatment required. No special treatment.

4.3

5 SECTION 5 : FIREFIGHTING MEASURES

	Extinguishing media	<p>The product is not flammable.</p> <p>Suitable extinguishing media :</p> <p>Use dry chemical, carbon dioxide, water spray (Mist) or foam.</p> <p>Unsuitable extinguishing media :</p> <p>In case of fire, do not use : Water jet</p>
5.1	Special hazards arising from the substance or mixture	<p>Due to its flammable characteristics, the product does not present a fire hazard under normal conditions of storage, handling and use.</p> <p>A fire in the surrounding space will often produce thick black smoke.</p>
5.2		<p>Exposure to compositional products may result in health hazards. Do not breathe fumes.</p>
	Advice for firefighters	<p><u>Protective actions to be taken when fighting fires</u></p> <p>Quickly isolate the area by evacuating all persons from the area near the incident in the event of a fire. Do not take any action involving personal risk or in the absence of adequate training. Keep containers away from fire if it can be done without risk. Use water or spray to keep containers exposed to fire cool.</p>
5.3		<p><u>Appropriate protective equipment</u></p> <p>The product is not combustible. In the event of a fire in the surrounding area, appropriate extinguishing media and protective equipment may be used for the other materials present (full protective clothing and personal respiratory equipment), in accordance with EN469 for a basic level of protection against chemical incidents. Have a minimum of emergency facilities or intervention elements (fire blankets, medicine kit, etc.) in accordance with Directive 89/654/EC.</p>
	Other information	<p>Additional provisions:</p> <p>Respond in accordance with the Internal Emergency Plan and the Fact Sheets on Accident and Other Emergency Response. Remove all sources of ignition. In case of</p>
5.4		<p>fire refrigerate containers and storage tanks for products that may ignite and explode as a result of high temperatures. Avoid spilling products used to extinguish the fire in the aquatic environment.</p>

6 SECTION 6 : ACCIDENTAL RELEASE MESURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel None. Inert product that does not present any risk to humans or the environment.

For emergency responders None. Inert product that does not present any risk to humans or the environment.

Environmental precautions None. Inert product that does not present any risk to humans or the environment.

6.2

Methods and material for containment and cleaning up

6.3

For containment: Sewer coverage

For cleaning up: Manual evacuation of the product, wash with water.

Reference to other sections

6.4

Collect the remains in an identified container: see point 13 for disposal.

Personal protective equipment: see section 8

Withdrawal considerations: see section 13.

See section 1 for emergency contact information.

7 SECTION 7 : HANDLING AND STORAGE

Precautions for safe handling

No special precautions. Wash hands after use.

7.1

Conditions for safe storage, including any incompatibilities

Ensure adequate local ventilation or exhaust.

Store away from light and ideally at a temperature between +5° and +25°.

7.2

Close containers before and after each use to avoid sources of moisture or heat.

Keep containers upright and labelled.

Specific end use(s)

No specific end uses.

7.3

Good practices: keep in closed containers. Close containers before and after each use to avoid sources of moisture or heat.

8 SECTION 8 : EXHIBITION CONTROLS/INDIVIDUAL PROTECTION

Control parameters

8.1

Not applicable

Respect good industrial hygiene practices.

8.2

Exposure controls

Appropriate engineering controls

No particular control

Individual protection measures, such as personal protective equipment

When necessary use individual protections placed on the market in accordance with the provisions of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016.

Personal protective equipment must be adapted to the risk, kept clean and properly maintained in accordance with the provisions of the Labour Code.

Eye/face protection

Wear safety glasses if there is a risk of splashing

Skin protection

Wearing gloves is not mandatory, but possible.

Respiratory protection

Respiratory protection mask can be worn

Body protection

Not required

Environmental exposure controls

Not required

9 SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Physical state: liquid Color: dark brown
Odour	Lemon
pH	9-9.5
Melting point	Not determined
Freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Non inflammable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	1.04
Solubility(ies) 20°C	Soluble, 960g/l
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	60m Pa-s (Brookfield)
Explosive properties	None
Oxidising properties	None
Refraction index	Not determined
Rotary power	Not determined

9.2

Other information

No other information

10 SECTION 10 : STABILITY AND REACTIVITY

10.1	Reactivity	Do not leave the product outdoors, close the container tightly after use.
10.2	Chemical stability	Avoid temperature variations in the storage area (ideally keep between 5° and 25°). Temperatures above 90°C can cause thermal decomposition of the product. Benign decomposition products (organic matter, water-carbon).
10.3	Possibility of hazardous reactions	No risk of dangerous reactions under normal use and storage conditions.
10.4	Conditions to avoid	No special conditions to avoid. Follow usual industrial precautionary practices.
	Incompatible materials	No specific data.
10.5		
10.6	Hazardous decomposition products	None known

11 SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Non-toxic mixture

12 SECTION 12 : ECOLOGICAL INFORMATION

12.1	Toxicity	No known significant effects or critical hazards. Biodegradable and neutral product.
12.2	Persistence and degradability	Environmentally neutral product.
12.3	Bioaccumulative potential	No known bioaccumulation potential.
12.4	Mobility in soil	Neutral product.
12.5	Results of PBT and vPvB assessment	Does not contain components classified as PBT and vPvB.
12.6	Other adverse effects	No known significant effects or critical hazards.

13 SECTION 13 : DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Natural product: safe disposal and no special precautions.
	Waste codes / waste designations according to LoW:	Not applicable

14 SECTION 14 : TRANSPORT INFORMATION

Non-hazardous transport. In the event of an accident and product spillage, proceed as described in point 6

14.1	UN number	Non-hazardous transport
14.2	UN proper shipping name	Non-hazardous transport
14.3	Transport hazard class(es)	Non-hazardous transport
	ADR	Non-hazardous transport
	IMDG	Non-hazardous transport
	OACI/IATA	
14.4	Packing group	Non-hazardous transport
14.5	Environmental hazards	Non-hazardous transport
14.6	Special precautions for user	Non-hazardous transport
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Non applicable/ Non-hazardous transport

15 SECTION 15 : REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture
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Reg. 1272/2008/CE The product does not contain substances that can be classified as carcinogenic. 1 or 2 according to Reg.1272/2008/EC and subsequent updates.

Reg. 830/2015/CE (REACH) Not applicable

Special hazards To our knowledge, no other national or governmental regulations apply.

15.2 **Chemical safety assessment** Evaluation not carried out

16 SECTION 16 : OTHER INFORMATION

Abbreviations and acronyms:

ETA = Acute Toxicity Estimation

CLP = Regulation 1272/2008/EC on classification, labelling and packaging of substances and mixtures

DNEL = Derived no-effect dose

DMEL = Derived no-effect dose

EUH = Specific hazard statement CLP

CPSE = Predicted no-effect concentration

RRN = REACH registration number

PTB = Persistent, Toxic and Bioaccumulative

tPtB = Very persistent and very bioaccumulative

bw = Body mass

16.1

Key literature references and sources for data

Regulation (EC) 1907/2006 of the European Parliament (REACH)

Regulation (EC) 1272/2008 of the European Parliament (CLP)

Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)

Regulation (EC) 453/2010 of the European Parliament Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP)

16.2

The Merck index. Ed. 10 Handling and chemical safety

Niosh - Register of toxic effects of chemical substances

INRS - Toxicological Data Sheet

Patty - Industrial hygiene and toxicology

N.I. Sax - Dangerous properties of Industrial Materials - 7 Ed., 1989

ECHA website

16.3

Indication of changes:

Date of revision: 03/01/2022

Previous version date: 25/09/2019

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16.4

Note

Modification: Section 1.3, Company name

Product suitable for use in organic farming in accordance with EEC regulation N°834/2007

This safety data sheet complies with the requirements laid down in Reg. 830/2015/EU. It does not in any way exempt the user from knowing and applying all the documents that govern his activity. The user will take under his responsibility the precautions related to the specific use of the product. All the regulatory requirements mentioned are simply intended to help the recipient to assume his responsibilities.

This list should not be considered exhaustive. This data sheet supplements the technical instructions for use but does not replace them. The information contained herein is based on our knowledge of the product as of the date indicated. It is given in

good faith. Furthermore, the user's attention is drawn to the possible risks incurred when a product is used for purposes other than those for which it was created. The recipient must ensure that he is not liable for anything other than what is stated in the texts other than those mentioned.

This safety data sheet has been compiled by Terra Aquatica on the basis of its current knowledge (safety data sheet of the active ingredients compiled by the manufacturer and other bibliographical data).

The information describes the safety aspects of the product. It is not intended to guarantee specific properties.

It is the responsibility of our customers to observe the applicable regulations.