

Safety Data Sheet
according 1907/2006/EC (REACH), 2015/830/EU

Pro Organic Bloom

Date : 01/09/2013

Version No. 4

Review date: 02/03/2020

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

Product identifier

1.1 A. Product name: **PRO ORGANIC BLOOM**

1.2 Relevant identified uses of the substance or mixture and uses advised against Pro Organic Bloom is an organic fertilizer that complies with the EC regulation on organic farming No. 834/2007.

1.3 Details of the supplier of the safety data sheet

Supplier identification Terra Aquatica Sarl (GHE)
Address Route de Lecture, 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	15
Fire and rescue services	18
Police	17
EU Emergency call line	112
Toxicological Information Centre ORFILA (INRS)	01 45 41 59 59
Toxicological Information Centre South West	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
	Hazard statements H:	None
	Precautionary statements P:	Phrases P P102 Keep out of reach of children
2.3	Other hazards Reg. 1272/2008/CLP	None

3 SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Substances	Non applicable
3.2	Mixtures Name	Pro Organic Bloom Pro Organic Bloom does not contain any toxic chemicals. Pro Organic Bloom is a mixture based on raw materials of organic origin authorised by the EC standard on organic farming No. 834/2007.

4 SECTION 4 : FIRST AID MEASURES

No known incidents of damage to persons who have used this product.

However, in case of doubt or if symptoms persist, seek medical attention. Do not give anything by mouth to an unconscious person. The general measures described below should be adopted:

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.
Following skin contact	Rinse thoroughly with soapy water. Remove contaminated clothing.
Following ingestion	Do not induce vomiting, seek medical attention immediately by showing the product label.
Following inhalation	Move the victim to fresh air. Keep the victim warm and at rest. In case of breathing difficulties, consult a doctor as soon as possible.
Self-protection of the first aider	Depending on the first aid context, wear appropriate protective equipment including a mask or filtered respirator and, if necessary, operate in the presence of another co-worker. Always wear protective gloves and a resuscitation mask in case of artificial respiration. Wash hands thoroughly after giving first aid. If your clothing becomes contaminated with a chemical during first aid procedures, change it.
Other information	For further details of first aid administration, including but not limited to more serious health effects, the doctor may consult the Toxicological Information Centre, hotline: see section 1.4

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

Potential acute health effects:

No known effect / no data are available.

Signs/symptoms of overexposure:

No specific data.

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

If decomposition products are inhaled in a fire, symptoms may be delayed.

The exposed person may need to be placed under medical supervision for 48 hours.

5 SECTION 5 : FIREFIGHTING MEASURES

5.1 **Extinguishing media**

The product is not flammable. Fire hazard low due to the flammability characteristics of the product under normal storage, handling and use conditions.

Suitable extinguishing media:

In the event of continued combustion, caused by improper handling, storage or use, the following extinguishing media may be used: carbon dioxide (CO₂), foam, chemical powders, and in the event of a widespread fire, also water spray.

Inappropriate extinguishing media:

In case of fire, do not use: Water jet

5.2 **Special hazards arising from the substance or mixture**

Hazards due to the substance or mixture:

Given its flammability characteristics, the product does not present a specific risk of fire or explosion under normal storage, handling and use conditions.

A fire in the surrounding area will often produce thick black smoke. Exposure to compositional products may pose health risks. Do not breathe dust, vapours or fumes released by the combustion of the products.

5.3 **Advice for firefighters**

Protective actions to be taken when fighting fires

Quickly isolate the site by evacuating all persons from the area near the incident in case of fire. Do not take any action involving a personal risk or in the absence of adequate training. Keep containers away from fire if it can be done without risk. Use water or water spray to keep containers exposed to fire cool.

5.4 **Appropriate protective equipment**

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.

5.4 **Other information**

Additional provisions:

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 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.

6 SECTION 6 : ACCIDENTAL RELEASE MESURES

6.1 **Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel	Ensure good ventilation. In case of accidental release of a large quantity, evacuate all personnel and allow access only to trained operators with appropriate personal protective equipment. (See section 8)
For emergency responders	Workers will be equipped with appropriate personal protective equipment. (See section 8)

Environmental precautions



6.2

Avoid contamination of soil, sewers, surface water and groundwater. If this happens, inform the competent authorities.

Methods and material for containment and cleaning up

6.3

For containment:	Sewer coverage
For cleaning up:	Mechanically collect the spilled product and remove the remains by water jets. Provide enough ventilation of the spillage area. Contaminated material must be disposed of in accordance with point 13.

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

7.1

Avoid formation of suspended particles and dispersion of the product in the air. Provide adequate ventilation in areas where suspended particles develop.
Keep away from flames and sparks. Do not smoke. Keep away from heat and other sources of fire.
Do not eat, drink or smoke in work areas.
Wash hands after each use.

Conditions for safe storage, including any incompatibilities

7.2

Ingredients may change in appearance and odour if stored in too hot an area. We recommend an ambient temperature between $>5^{\circ}$ $<30^{\circ}$.

Specific end use(s)

7.3

Ensure adequate local ventilation or exhaust.
Store container upright, tightly closed in a cool, dry, well-ventilated place.
Close containers before and after each use to avoid sources of moisture and heat.
No specific end uses.
Good practices: keep in closed containers. Close containers before and after each use to avoid sources of moisture or heat. Store in areas with waterproof pavement.

8 SECTION 8 : EXHIBITION CONTROLS/INDIVIDUAL PROTECTION

Control parameters

8.1

Not applicable
Use good industrial hygiene practices.

Exposure controls

8.2

Appropriate engineering controls	No particular control
Individual protection measures, such as personal protective equipment	Use individual protection 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 compliance with the labour code.
Eye/face protection	It is not necessary to wear safety glasses, but it is possible to wear glasses complying with standard NF EN166 before handling products.
Skin protection	It is not necessary to wear gloves, but it is possible to wear gloves.
Respiratory protection	Ensure adequate ventilation, especially in enclosed areas.
Body protection	Not required
Environmental exposure controls	No data available

9 SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Physical state: all Pro Organic Bloom compounds are in aqueous solution. Color: Black
Odour	Soja with a vanilla scent
pH	3.70
Melting point	Not applicable
Freezing point	-1°C
Initial boiling point and boiling range	100°C
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Non inflammable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	1.25
Solubility(ies) 20°C	Entirely soluble
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Refraction index	Not determined
Rotary power	Not determined

9.2 Other information	None
No other information	

10 SECTION 10 : STABILITY AND REACTIVITY

10.1	Reactivity	No particular risk of reaction with other materials under normal conditions of use.
10.2	Chemical stability	Pro Organic Bloom is stable at room temperature in closed packages and under normal storage and handling conditions. No hazardous polymerization can be produced by any of its components.
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.
10.5	Incompatible materials	No specific data.
10.6	Hazardous decomposition products	Not applicable.

11 SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<ul style="list-style-type: none"> a) acute toxicity; (b) skin corrosion/irritation; (c) serious eye damage/irritation; (d) respiratory or skin sensitisation; (e) germ cell mutagenicity; (f) carcinogenicity; (g) reproductive toxicity; (h) STOT-single exposure; (i) STOT-repeated exposure; (j) aspiration hazard 	No known toxicological effects
Symptoms related to the physical, chemical and toxicological characteristics	Ingestion: No known significant effects or critical hazards. Inhalation: No known significant effects or critical hazards. Skin Exposure: No known significant effects or critical hazards. Eye exposure: No known significant effects or critical hazards
Delayed and immediate effects as well as chronic effects from short- and long-term exposure	No known effects
Interactive effects	No data available
Absence of specific data	No data available
Mixtures	No data available
Mixture versus substance information	Mixture not containing substances subject to registration. No known adverse effects or symptoms resulting from exposure to the mixture or its components.
Other information	Comply with good industrial hygiene practices

12 SECTION 12 : ECOLOGICAL INFORMATION

12.1	Toxicity	Not applicable
12.2	Persistence and degradability	No data available to date to the best of our knowledge
12.3	Bioaccumulative potential	No data available to date to the best of our knowledge
12.4	Mobility in soil	No data available to the best of our knowledge. Waste generation should be avoided or minimized to the extent possible, and the discharge of the product into sewers or

12.5	Results of PBT and vPvB assessment	watercourses should be avoided. No data available to date to the best of our knowledge
12.6	Other adverse effects	No data available to date to the best of our knowledge

13 SECTION 13 : DISPOSAL CONSIDERATIONS

	Waste treatment methods	Do not discharge into sewers or waterways. Waste: Waste management is carried out without endangering human health and without harming the environment, including without creating a risk to water, air, soil, fauna and flora. Recycle or dispose of in accordance with current legislation, preferably by an approved collector or company.
13.1		Disposal of the product/packaging: it is prohibited to discharge it into sewers or waterways. Residues and empty containers must be handled and disposed of in accordance with the relevant local/national legislation in force. Follow the provisions of Directive 2008/98/EC on waste management. Pro Organic Grow can be disposed of in the same way as any industrial fertilizer. Recover the product as much as possible. Follow local legislation.
	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, none.

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
EU REACH IUCLID5 CSR.
National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda Registry of Toxic Effects of Chemical Substances.
IHS, 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada. Règlement (CE) n ° 1272/2008 Annexe VI.

16.3

Indication of changes:

Date of revision: 02 March 2020
Date of the previous version: 25/06/2019
Version: 4 Modification 5.3, 7.2

16.4

Note

The indicated mixture does not require an SDS according to the REACH requirements. SDS is for information purposes only.
This safety data sheet complies with the requirements set out in Reg. 830/2015/EU. It does not 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.

Pro Organic Bloom is a plant nutrition product. The information gathered for this safety data sheet is intended for use of the product under the conditions laid down by the manufacturer. Users must take all precautions recommended in this document when working with this product.

This safety data sheet has been prepared by Terra Aquatica (GHE) based on its current knowledge (safety data sheet of the active ingredients prepared 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.