

# Safety data sheet

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020

Creation date : 01/04/23  
Revision date :  
Version: 1



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

### 1.1 Product identifier

A. Trade name **HYPERBLOOM**

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

Relevant identified uses of the substance or mixture      HyperBloom is a blend of mineral salts formulated and mixed in proportions that ensure optimal nutrition for plants.

Uses advised against      Any use not specified in this section or in section 7.3

Use descriptor system (REACH)      No data available (not applicable: IK).

### 1.3 Details of the supplier of the safety data sheet

Company's name      Terra Aquatica  
Address      4 Boulevard du Biopole, 32500 Fleurance  
Phone number      +33 (0)5 62 06 08 30  
E-mail address      [info@terraaquatica.com](mailto:info@terraaquatica.com)

### 1.4 Emergency telephone number

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

## 2 SECTION 2 Hazards identification

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

Additional information      None

Hazards for humans      Ingestion may cause gastrointestinal distress with abdominal pain, nausea, vomiting and diarrhea. As long as these chemicals remain in aqueous solution, they are not an inhalation hazard.

Eye contact: May cause eye irritation

Environmental risks      None

Physico-chemical hazards      None

Other hazards

### 2.2 Label elements

In accordance with Reg. 1272/2008/CLP and its adaptations

Danger pictogram      None

Hazard Word      None

Hazardous substances to be indicated

on the label      None

Hazard statement      None

Warning statement	P102 Keep out of reach of children
Additional information on hazards (EU)	
<b>2.3 Other hazards</b>	None
<b>3 SECTION 3 Composition/information on ingredients</b>	
<b>3.1 Substances</b>	Non applicable
<b>3.2 Mixtures</b>	HyperBloom
Description	HyperBloom is a blend of mineral salts, formulated and mixed in proportions that ensure optimal nutrition for plants. The exact nature of the salts and their proportions are a manufacturing secret. However, they are derived from : Magnesium sulfate, potassium sulfate
<b>4 SECTION 4 First aid measures</b>	
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.	
<b>4.1 Description of first aid measures</b>	
In case of eye contact	Immediately flush eyes, including under the eyelids, with plenty of clean, clear water for at least 15 minutes.
In case of skin contact	Rinse thoroughly with water for at least 15 minutes. Remove contaminated clothing. If the skin is red or puffy, or if an irritation persists, consult a doctor. Do not give anything by mouth to an unconscious or convulsing person. If a person has swallowed this product and is conscious, give small amounts of water to drink to dilute the product.
In case of ingestion/aspiration	
In case of inhalation	Under normal conditions of use, inhalation is unlikely. If inhaled, move to fresh air and if necessary, assist breathing. In case of breathing difficulties, consult a doctor as soon as possible.
Protection of first aid providers	Depending on the first aid context, wear appropriate protective equipment including a mask or filtered respirator. Always wear protective gloves and a resuscitation mask in case of artificial respiration. Wash hands thoroughly after first aid. If your clothing is contaminated with a chemical substance during first aid administration, change them.
Other data	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
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	No known symptoms
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	No known data
<b>5 SECTION 5 Firefighting measures</b>	
<b>5.1 Extinguishing media</b>	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 for a surrounding fire	Use dry chemical, carbon dioxide, water spray (mist) or foam.
Inappropriate extinguishing media	In case of fire, do not use: Water jet

5.2	<b>Special hazards arising from the substance or mixture</b>	<p>Given its flammability characteristics, the product does not present a specific risk of fire or explosion under normal storage, handling and use conditions.</p> <p>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 products.</p> <p>Decomposition products may include the following materials:          oxides of nitrogen          ammonia</p> <p>This product is toxic to aquatic life. Fire water contaminated with this product should be contained and prevented from entering a watercourse or sewer.</p>
5.3	<b>Advice for firefighters</b>	
	Protective actions to be taken when fighting fires	<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. Beware of water flows resulting from firefighting. Do not discharge fire extinguishing material into drains or sewers.</p>
	Appropriate protective equipment	<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>
5.4	<b>Other data</b>	Not applicable
<b>6</b>	<b>SECTION 6 Accidental release measures</b>	
6.1	<b>Personal precautions, protective equipment and emergency procedures</b>	
6.1.1	For non-emergency personnel	<p>Ensure proper ventilation. Wear gloves and safety glasses to avoid stains or risk of splashing.</p> <p>In case of accidental release of large quantities, evacuate all personnel and allow access only to trained personnel wearing appropriate personal protective equipment (see section 8).</p>
6.1.2	For emergency responders	<p>Workers will be equipped with personal protective equipment appropriate to the possible hazards. (See section 8)</p>
6.2	<b>Environmental precautions</b>	
6.3	<b>Methods and material for containment and cleaning up</b>	
6.3.1	Containment method	Sewer coverage

6.3.2	Cleaning procedure	Collect the spilled product by mechanical means and remove any residues by water jets. Provide adequate ventilation at the location of the spill. The disposal of the contaminated material must be carried out in accordance with the provisions of point 13.
	Other information	Do not put the spilled product in contact with combustible or incompatible materials. Cleaning personnel must wear equipment to protect skin and eyes. Small amounts of product can be mopped with inert, non-combustible materials such as sand or soil. These materials must then be placed in appropriate containers. Do not dispose of in gutters or sewers. Do not discard any residue.
6.4	<b>Reference to other sections</b>	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

7.1	<b>Precautions for safe handling</b>	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.
7.2	<b>Conditions for safe storage, including any incompatibilities</b>	Ensure adequate local ventilation or extraction. Store away from aluminum, ethoxyethyl alcohols, combustible materials, reducing agents and other incompatible materials. Store in a cool, dry place. Keep container tightly closed in a dry, well-ventilated place. Close containers before and after each use to avoid sources of moisture or heat. If possible in areas with waterproof pavement.
7.3	<b>Specific end use(s)</b>	No specific end uses. Good practice: keep in closed and labeled containers. Close containers before and after each use to avoid sources of moisture or heat. Store in areas with impervious pavement.

## 8 SECTION 8 Exposure controls/personal protection

8.1	<b>Control parameters</b>	Not applicable Follow good industrial hygiene practices.
8.2	<b>Exposure controls</b>	
8.2.1	Appropriate engineering controls	No particular control

8.2.2	Individual protection measures, such as personal protective equipment	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.
a)	Eye/face protection	It is necessary to wear protective glasses in accordance with the NF EN166 standard before any handling of products in order to avoid the risks of projection.
b)	Skin protection	Hands: Wear suitable protective gloves in case of prolonged or repeated contact with the product to avoid stains. Use suitable chemical-resistant protective gloves in accordance with NF EN374.
c)	Respiratory protection	Ensure adequate ventilation, especially in enclosed areas. Respiratory protection device not required.
	Body protection	Wear appropriate protective clothing. After contact with the product, all soiled body parts should be washed.
<b>8.3</b>	<b>Environmental exposure controls</b>	No data available. Biodegradable product

## 9 SECTION 9 Physical and chemical properties

<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	
a)	Physical state	Powder
b)	Colour	White
c)	Odour	No odor
d)	Melting point/freezing point	Not determined
e)	Boiling point or initial boiling point and boiling range	Not determined
f)	Flammability	Non inflammable
g)	Lower and upper explosion limit	Not applicable
h)	Flash point	Not determined
i)	Auto-ignition temperature	Not determined
j)	Decomposition temperature	Not determined
k)	pH	3.7
l)	Kinematic viscosity	Not determined
m)	Solubility	Entirely soluble
n)	Partition coefficient n-octanol/water (log value)	Not determined
o)	Vapour pressure	Not determined
p)	Density and/or relative density	1.24
q)	Relative vapour density	Not determined
r)	Particle characteristics	Not determined

### **9.2 Other information**

9.2.1	Information with regard to physical hazard classes	None
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## 10 SECTION 10 Stability and reactivity

<b>10.1</b>	<b>Reactivity</b>	Stable. No particular risk of reaction with other materials under normal conditions of use.
<b>10.2</b>	<b>Chemical stability</b>	HyperBloom is stable at room temperature in closed packages and under normal storage and handling conditions. No hazardous polymerization can be produced by any of these components.

<b>10.3</b>	<b>Possibility of hazardous reactions</b>	No risk of dangerous reactions under normal use and storage conditions
<b>10.4</b>	<b>Conditions to avoid</b>	No special conditions to avoid.
<b>10.5</b>	<b>Incompatible materials</b>	HyperBloom contains elements which can react violently if mixed with active metals such as aluminum. Violent reactions may occur on contact with ethoxyethynyl alcohols.
<b>10.6</b>	<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, no hazardous decomposition products should be produced.

## 11 SECTION 11 Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

a)	Acute toxicity	No known significant effects or critical hazards.
b)	Skin corrosion/irritation	No known significant effects or critical hazards.
c)	Serious eye damage/irritation	No known significant effects or critical hazards.
d)	Respiratory or skin sensitisation	No known significant effects or critical hazards.
e)	Germ cell mutagenicity	No known significant effects or critical hazards.
f)	Carcinogenicity	No known significant effects or critical hazards.
g)	Reproductive toxicity	No known significant effects or critical hazards.
h)	STOT-single exposure	No data available
i)	STOT-repeated exposure	No data available
j)	Aspiration hazard	No data available

#### 11.1.5 Information on likely routes of exposure

Ingestion	Unlikely route of exposure under normal conditions of use. May cause gastrointestinal tract irritation. Ingestion may cause gastrointestinal distress with abdominal pain, nausea, vomiting and diarrhea.
Inhalation	Unlikely route of exposure under normal conditions of use. No known significant effects or critical hazards.
Skin exposure	Slight irritation possible. Wash down with water.
Eye Exposure	Slight irritation possible. Wash down with water.

#### 11.1.6 Symptoms related to the physical, chemical and toxicological characteristics

No known effect

#### 11.1.7 Delayed and immediate effects as well as chronic effects from short and long-term exposure

No known effect

#### 11.1.8 Interactive effects

No data available

#### 11.1.9 Absence of specific data

No data available

#### 11.1.10 Mixtures

No data available

#### 11.1.11 Mixture versus substance information

No known adverse effects or symptoms resulting from exposure to the mixture.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

No data available

## 12 SECTION 12 Ecological information

### 12.1 Toxicity

Not known risks.

12.2	<b>Persistence and degradability</b>	No data available to date to the best of our knowledge
12.3	<b>Bioaccumulative potential</b>	No data available to date to the best of our knowledge
12.4	<b>Mobility in soil</b>	This product can be carried by groundwater seepage or surface runoff because it is completely soluble.
12.5	<b>Results of PBT and vPvB assessment</b>	No data available to date to the best of our knowledge
12.6	<b>Endocrine disrupting properties</b>	No data available to date to the best of our knowledge
12.7	<b>Other adverse effects</b>	No known significant effects or critical hazards.

### 13 SECTION 13 Disposal considerations

13.1	<b>Waste treatment methods</b>	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.  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. Recover the product as much as possible. Follow local legislation.  Waste List Code Not determined
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### 14 SECTION 14 Transport information

14.1	<b>UN number or ID number</b>	Non-hazardous transport
14.2	<b>UN proper shipping name</b>	Non-hazardous transport
14.3	<b>Transport hazard class(es)</b>	
	<b>ADR</b>	Non-hazardous transport
	<b>IMDG</b>	Non-hazardous transport
	<b>OACI/IATA</b>	Non-hazardous transport
14.4	<b>Packing group</b>	Non-hazardous transport
14.5	<b>Environmental hazards</b>	Non-hazardous transport
14.6	<b>Special precautions for user</b>	Non-hazardous transport
14.7	<b>Maritime transport in bulk according to IMO instruments</b>	Non-hazardous transport

### 15 SECTION 15 Regulatory information

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
	Reg. 1272/2008/EC	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/EC (REACH)	Not applicable
	Special risks	None to our knowledge.
15.2	<b>Chemical safety assessment</b>	Evaluation not carried out

### 16 SECTION 16 Other information

16.1	<b>Abbreviations and acronyms</b>	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  CAS NUMBER: Chemical Abstract Service number
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EC50: Concentration that gives effect to 50% of the test population.

EC NUMBER: Identification number in ESIS (European archive of existing substances)

CLP: Regulation EC 1272/2008

DNEL: Calculated No Effect Level

IATA DGR: International Air Transport Association Dangerous Goods Regulations

IMDG: International Maritime Dangerous Goods Code

IMO: International Maritime Organization

LC50: Lethal concentration 50

LD50: Lethal Dose 50%.

OEL: Occupational Exposure Level

PBT: Persistent, Bioaccumulative and Toxic according to REACH

PEC: Predicted Environmental Concentration

PEL: Predicted Exposure Level

PNEC: Predicted No Effect Concentration

REACH: Regulation EC 1907/2006

vPvB: Very Persistent and Bioaccumulative according to REACH

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)

INRS - Toxicological Data Sheet

Patty - Industrial hygiene and toxicology

ECHA website

## 16.2 Bibliographical references

## 16.3 Changes from the previous version

New version date

01/04/2023

Previous version date

Version

1

Modified elements

## 16.4 Note

This safety data sheet complies with the requirements established by Commission Regulation (EU) 2020/878 of 18 June 2020. It does not exempt the user from knowing and applying all the documents governing his activity. The user is responsible for taking precautions related to the specific use of the product. All regulatory requirements listed are intended simply to assist the recipient in fulfilling their responsibilities. This list should not be considered exhaustive. This sheet supplements the technical instructions for use but does not replace them. This safety data sheet has been compiled by Terra Aquatica on the basis of its current knowledge (safety data sheets of the active ingredients compiled by the manufacturer and other literature). The information contained herein is based on our knowledge of the product at the date indicated. It is given in good faith. The user's attention is drawn to the possible risks involved when a product is used for purposes other than those for which it was created.

The information describes the safety aspects of the product. They are not intended to guarantee specific properties.

The recipient must ensure that he is not responsible for anything other than the mentioned texts. It is the responsibility of the users to observe the applicable regulations.