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

DualPart Bloom

Date : 01 Janvier 2008 Version No. 4 Review date: 03/01/2022

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

1.1 Product identifier

Product name: DUALPART BLOOM

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

Relevant Identified Uses :
DualPart Bloom is a blend of mineral salts formulated and blended in proportions that ensure optimal nutrition for plants.
Uses not recommended: Any use not specified in this section or in section 7.3.

Use Descriptor System (REACH): No data available (not applicable).

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
Enviromental 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	None
Warning statement P-phrases (Reg. 1272/2008/CLP)	P102 Keep out of reach of children
Additional hazard information (EU)	None

2.3 Other hazards

Reg. 1272/2008/CLP	None

3 SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Non applicable

Mixtures

3.2 Trade Name DualPart Bloom

Ingredient name	Non applicable
Mixtures classified as dangerous	Non applicable
Description	DualPart Bloom is a mixture of mineral salts, formulated and blended in proportions that ensure optimal nutrition for plants. The exact nature of the salts as well as their proportions are a manufacturing secret. However, they are derived from : Magnesium Chloride, Ammonium Nitrate, Magnesium Sulphate.

Chemical name	Concentration (%)	CAS Number
Ammonium nitrate	1-5	6484-52-2
Magnesium sulphate	10-20	anhydrous 7487-88-9 heptahydrate 10034-99-8

4 SECTION 4 : FIRST AID MEASURES

In general, if in doubt or if symptoms persist, seek medical attention. Do not give anything by mouth to an unconscious person.

4.1 Description of first aid measures

Following eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.

	Following skin contact	Flush contaminated skin with plenty of soapy water. Remove impregnated clothing. Get medical attention if symptoms occur.
	Following ingestion	Do not induce vomiting. Rinse mouth with water and drink small amounts of water if conscious. Seek medical attention by showing the product label if symptoms develop.
	Following inhalation	Move the victim to fresh air. Keep her warm and at rest. In case of breathing difficulty contact a doctor.
	Self-protection of the first aider	Depending on the first aid setting, 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 clothing.
	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**	No known effects
4.3	**Indication of any immediate medical attention and special treatment needed**	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance 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: Use an extinguishing agent suitable for the surrounding fire or 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**	Due to its flammability characteristics, the product does not contain a fire hazard under normal conditions of storage, handling and use. A fire in the surrounding space will often produce thick black smoke. Exposure to compositional products may result in health hazards. Do not breathe fumes. Decomposition products may include the following materials : oxides of nitrogen sulphur oxides phosphorus oxides metal oxide / metal oxides Fire water contaminated with this product should be contained and prevented from being discharged to a watercourse or sewer.
5.3	**Advice for firefighters**	Protective actions to be taken when fighting fires Isolate the site quickly 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.

Appropriate protective equipment

The product is not combustible. In the event of fire in the surrounding area, appropriate extinguishing means and protective equipment for the other materials present (full protective clothing and personal respiratory equipment), complying with EN469 for a basic level of protection for chemical incidents, may be used. Have a minimum of emergency facilities or intervention elements (fireproof blankets, first-aid kit...) according to 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.

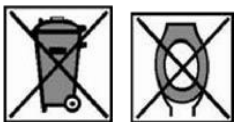
6 SECTION 6 : ACCIDENTAL RELEASE MESURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action should be taken that involves an individual risk or in the absence of appropriate training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

For emergency responders: If necessary, responders will be equipped with appropriate personal protective equipment. (See section 8)

6.2 Environmental precautions



Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

For containment: Sewer coverage

For cleaning up: Gather up the spilled product by mechanical means and remove the remains by water jets. Provide sufficient ventilation of the spillage area. Contaminated material must be disposed of in accordance with point 13.

6.4 Reference to other sections

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 Precautions for safe handling

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 Conditions for safe storage, including any incompatibilities

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 or heat. Store in labelled bottles.

Store in waterproof paved areas if possible.

7.3 Specific end use(s)

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

8.1 Control parameters

Not applicable

Use good industrial hygiene practices.

8.2 Exposure controls

Appropriate engineering controls	No special controls. Good general ventilation should be enough to control worker exposure to airborne contaminants.
Individual protection measures, such as personal protective equipment	No personal protection required. In general, 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	Il est nécessaire de porter des lunettes de protection conformes à la norme NF EN166 avant toute manipulation de produits chimiques.
Skin protection	Hands: Wear suitable protective gloves in case of prolonged or repeated contact with the product. Chemical-resistant, impervious gloves complying with an approved standard (NF EN374) should be worn at all times when handling chemical products.
Respiratory protection	Ensure adequate ventilation, especially in enclosed areas.
Body protection	Wear appropriate protective clothing. After contact with the product, all parts of the body that have been in contact with the product must be washed.
Environmental exposure controls	No available data

9 SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Physical state: liquid Color: Light brown
Odour	None
pH	4.12
Melting point	Not available
Freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available

Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1.18
Solubility(ies) 20°C	Entirely Soluble
Partition coefficient : n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available
Refraction index	Not available
Rotary power	Not available

9.2 **Other information**

No other information

10 SECTION 10 : STABILITY AND REACTIVITY

10.1 **Reactivity**

No specific reactivity test data are available for this product or its components in normal conditions of use.

10.2 **Chemical stability**

DualPart 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 these components under normal storage and handling conditions.

10.3 **Possibility of hazardous reactions**

No risk of dangerous reactions under normal conditions of use and storage.

10.4 **Conditions to avoid**

No special conditions to avoid. Comply with usual precautionary practices regarding chemicals.

10.5 **Incompatible materials**

DualPart Bloom contains elements that are powerful oxidizers that can react with strong bases to release ammonium. It can also react with powerful reducing agents.

10.6 **Hazardous decomposition products**

At very high temperatures, decomposition products are formed: phosphorus oxide, magnesium oxide, potassium oxide(s), carbon monoxide and sulphur oxide(s).

11 SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 **Information on toxicological effects**

a) acute toxicity

Ingredient name	Result	Species	Dose	Exposure
Ammonium nitrate	LD50 Oral	Rat	2217 mg/kg	Non applicable

(b) skin corrosion/irritation; (c) serious eye

There is no data available.

	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	
	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: Mild irritation. No known significant effects or critical hazards. Eye Exposure: Mild irritation. No known significant effects or critical hazards.
	Delayed and immediate effects as well as chronic effects from short- and long-term exposure	No known significant effects or critical hazards.
	Interactive effects	No known significant effects or critical hazards.
	Absence of specific data	No known significant effects or critical hazards.
	Mixtures	No known significant effects or critical hazards.
	Mixture versus substance information	Mixture not containing substances that are subject to registration. No known adverse effects or symptoms resulting from exposure to the mixture or its constituent substances.
	Other information	Comply with good industrial hygiene practices

12 SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity

Non applicable

Product/ingredient	Result	Species	Exposition
Ammonium nitrate	Chronic NOEC 6-12 mg/L – Soft Water	Cladocera Crustaceans	21 hours

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 date to the best of our knowledge. Waste generation should be avoided or minimized as much as possible, and the product should not be discharged into sewers or waterways.

12.5 Results of PBT and vPvB assessment

There is no data available.

12.6 Other adverse effects

No known significant effects or critical hazards.

13 SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not flush to sewers or waterways.

Waste: Waste management shall be carried out without endangering human health and without harming the environment, and in particular without creating a risk to water, air, soil, fauna and flora.

		Recycle or dispose of in accordance with current legislation, preferably by a licensed collector or company. Disposal of the product/packaging: Disposal into sewers or waterways is prohibited. 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. DualPart Bloom can be disposed of as you would any other industrial fertilizer. Follow local legislation.
	Waste codes / waste designations according to Law:	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**	Not regulated. Non-hazardous transport
14.2	**UN proper shipping name**	-
14.3	**Transport hazard class(es)**	Not regulated. Non-hazardous transport
	ADR	Not regulated. Non-hazardous transport
	IMDG	
	OACI/IATA	
14.4	**Packing group**	-
14.5	**Environmental hazards**	None
14.6	**Special precautions for user**	Not regulated. Non-hazardous transport
14.7	**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not regulated. Non-hazardous transport

15 SECTION 15 :REGULATORY INFORMATION

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

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	None
15.2 Chemical safety assessment	Evaluation not carried out

16 SECTION 16 : OTHER INFORMATION

16.1	**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

16.2 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)

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: 18/02/2020

Version :4

Modification: Section 1.3, Company name

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

The indicated mixture does not require an SDS according to the REACH requirements. SDS is for information purposes only.

Note

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 in this safety data sheet has been compiled by Terra Aquatica on the basis of its current knowledge (safety data sheet for the active ingredients compiled by the manufacturer and other bibliographical data) as of the date indicated. It is given in good faith. In addition, 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 recipient must ensure that he is not liable for anything other than what is stated in the texts other than those mentioned.

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.

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

DualPart Grow
Hard Water

Date : 01 Janvier 2008 Version No. 4 Review date: 03/01/2022

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

1.1 Product identifier

Product name: DUALPART GROW HARD WATER

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

Relevant Identified Uses :
DualPart Grow Hard Water is a blend of mineral salts formulated and blended in proportions that ensure optimal nutrition for plants.
Uses not recommended: Any use not specified in this section or in section 7.3.

Use Descriptor System (REACH): No data available (not applicable).

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	H319 - Causes serious eye irritation
Enviromental 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	None
Warning statement P-phrases (Reg. 1272/2008/CLP)	P102 Keep out of reach of children
Additional hazard information (EU)	None

2.3 Other hazards

Reg. 1272/2008/CLP	None

3 SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Non applicable

Mixtures

3.2 Trade Name DualPart Grow Hard Water

Ingredient name	Non applicable
Mixtures classified as dangerous	Non applicable
Description	DualPart Grow Hard water is a mixture of mineral salts, formulated and blended in proportions that ensure optimal nutrition for plants. The exact nature of the salts as well as their proportions are a manufacturing secret. However, they are derived from: Potassium Nitrate, Magnesium Chloride, Ammonium Nitrate, Potassium Carbonates

Chemical name	Concentration (%)	CAS Number
Ammonium nitrate	2-5	6484-52-2
Potassiun nitrate	10-20	7757-79-1
Calcium nitrate	2-5	10124-37-5

4 SECTION 4 : FIRST AID MEASURES

In general, if in doubt or if symptoms persist, seek medical attention. Do not give anything by mouth to an unconscious person.

4.1 Description of first aid measures

	Following eye contact	Check for and remove any contact lenses. Wash immediately with plenty of water, keeping the eyelids well apart, and consult a specialist.
	Following skin contact	Wash with plenty of soapy water. Remove impregnated clothing.
	Following ingestion	Do not induce vomiting. Rinse mouth with water and drink small amounts of water if conscious. Seek medical attention and show the product label if symptoms develop.
	Following inhalation	Move the victim to fresh air. Keep her warm and at rest. In case of breathing difficulty contact a doctor.
	Self-protection of the first aider	Depending on the first aid setting, 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 clothing.
	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**	No known effects
4.3	**Indication of any immediate medical attention and special treatment needed**	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance 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: Use an extinguishing agent suitable for the surrounding fire or 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**	Due to its flammability characteristics, the product does not contain a fire hazard under normal conditions of storage, handling and use. A fire in the surrounding space will often produce thick black smoke. Exposure to compositional products may result in health hazards. Do not breathe fumes. Decomposition products may include the following materials: oxides of nitrogen sulphur oxides phosphorus oxides metal oxide / metal oxides Fire water contaminated with this product should be contained and prevented from being discharged to a watercourse or sewer.
5.3	**Advice for firefighters**	Protective actions to be taken when fighting fires Rapidly 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.

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.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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

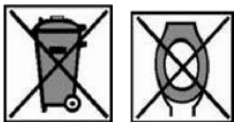
For non-emergency personnel

No action should be taken that involves an individual risk or in the absence of appropriate training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

For emergency responders

If necessary, responders will be equipped with appropriate personal protective equipment. (See section 8)

6.2 Environmental precautions



Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

For containment:

Sewer coverage

For cleaning up:

Gather up the spilled product by mechanical means and remove the remains by water jets. Provide sufficient ventilation of the spillage area. Contaminated material must be disposed of in accordance with point 13.

6.4 Reference to other sections

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	**Precautions for safe handling**	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	**Conditions for safe storage, including any incompatibilities**	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 or heat. Store in labelled bottles. Store in waterproof paved areas if possible.
7.3	**Specific end use(s)**	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

8.1	**Control parameters**	Not applicable Use good industrial hygiene practices.
8.2	**Exposure controls**	
	Appropriate engineering controls	No special controls. Good general ventilation should be enough to control worker exposure to airborne contaminants.
	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 provisions of the labour code.
	Eye/face protection	It is necessary to wear protective glasses in accordance with the NF EN166 standard before handling chemicals.
	Skin protection	Hands: Wear suitable protective gloves in case of prolonged or repeated contact with the product. Use appropriate chemical-resistant protective gloves in accordance with NF EN374.
	Respiratory protection	Ensure adequate ventilation, especially in enclosed areas.
	Body protection	Wear appropriate protective clothing. After contact with the product, all parts of the body that have been in contact with the product must be washed.
	Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

9 SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Physical state: All DualPart Grow Hard water compounds are in liquid solution. Colour: yellowish-greenish
Odour	None
pH	3.74
Melting point	Not available
Freezing point	Not available

Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1.12
Solubility(ies) 20°C	Entirely Soluble
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available
Refraction index	Not available
Rotary power	Not available

9.2 **Other information**

No other information

10 SECTION 10 : STABILITY AND REACTIVITY

10.1 **Reactivity**

No specific reactivity test data are available for this product or its components in normal conditions of use.

10.2 **Chemical stability**

DualPart Grow Hard Water 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 under normal storage and handling conditions.

10.3 **Possibility of hazardous reactions**

Pas de risque de réactions dangereuses dans des conditions normales d'utilisation et d'entreposage.

10.4 **Conditions to avoid**

No special conditions to avoid. Comply with usual precautionary practices regarding chemicals.

10.5 **Incompatible materials**

DualPart Grow Hard Water contains elements that are powerful oxidizers that can react with strong bases to release ammonium. It can also react with powerful reducing agents.

10.6 **Hazardous decomposition products**

At very high temperatures, decomposition products are formed: phosphorus oxide, magnesium oxide, potassium oxide(s), carbon monoxide and sulphur oxide(s).

11 SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 **Information on toxicological effects**

a) acute toxicity

Ingredient name	Result	Species	Dose	Exposure
Ammonium	LD50 Oral	Rat	2217 mg/kg	Not applicable
nitrate	LD50 Oral	Rat	2.000 - 5.000 mg/kg	Not applicable

Potassium nitrate	LD50	Rat	> 5,000 mg/kg	Not applicable
	Cutaneous	Rat	500 mg/kg 423 Acute oral toxicity - Acute toxicity	Not applicable
Calcium nitrate	LD50 Oral	Rat	class method	Not applicable
	L50D		200mg/kg	
	Cutaneous			

(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	There is no data available.
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: Mild irritation. No known significant effects or critical hazards. Eye Exposure: Mild irritation. No known significant effects or critical hazards.
Delayed and immediate effects as well as chronic effects from short- and long-term exposure	No known significant effects or critical hazards.
Interactive effects	No known significant effects or critical hazards.
Absence of specific data	No known significant effects or critical hazards.
Mixtures	No known significant effects or critical hazards.
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 constituent substances.
Other information	No known significant effects or critical hazards.

12 SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity

Product/ingredient	Result	Species	Exposition
Ammonium nitrate	Chronic NOEC 6-12 mg/L - Fresh Water	Cladocera Crustaceans	21 hours
Potassiun nitrate	Acute LC50 1.378 mg/L -Fresh water OECD 203	Daphnie	48 hours
	Acute EC50 490 mg/L -Fresh water	Algae	240 hours
	Acute EC50 > 1,700 mg/l-Fresh water		

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 date to the best of our knowledge. Waste generation should be avoided or

		minimized as much as possible, and the product should not be discharged into sewers or waterways.
12.5	**Results of PBT and vPvB assessment**	There is no data available.
12.6	**Other adverse effects**	No known significant effects or critical hazards.

13 SECTION 13 : DISPOSAL CONSIDERATIONS

13.1	**Waste treatment methods**	Do not flush to sewers or waterways. Waste: Waste management shall be carried out without endangering human health and without harming the environment, and in particular without creating a risk to water, air, soil, fauna and flora. Recycle or dispose of in accordance with current legislation, preferably by a licensed collector or company. Disposal of the product/packaging: Disposal into sewers or waterways is prohibited. 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. DualPart Grow Hard Water can be disposed of as you would any other industrial fertilizer. Follow local legislation.
	Waste codes / waste designations according to Law:	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**	Not regulated. Non-hazardous transport
14.2	**UN proper shipping name**	Not regulated. Non-hazardous transport
14.3	**Transport hazard class(es)**	Not regulated. Non-hazardous transport
	ADR **IMDG** **OACI/IATA**	Not regulated. Non-hazardous transport
14.4	**Packing group**	Not regulated. Non-hazardous transport
14.5	**Environmental hazards**	None
14.6	**Special precautions for user**	Not regulated. Non-hazardous transport
14.7	**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not regulated. Non-hazardous transport

15 SECTION 15 :REGULATORY INFORMATION

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

	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	None
15.2	**Chemical safety assessment**	Evaluation not carried out

16 SECTION 16 : OTHER INFORMATION

16.1	**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
16.2	**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) 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: 17/02/2020 Version :4 Modification: Section 1.3, Company name.
16.4	**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**	The indicated mixture does not require an SDS according to the REACH requirements. This sheet is for information purposes only.
	Note	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 in this safety data sheet has been compiled by Terra Aquatica on the basis of its current knowledge (safety data sheet for the active ingredients compiled by the manufacturer and other bibliographical data) as of the date indicated. It is given in good faith. In addition, 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 recipient must ensure that he is not liable for anything other than what is stated in the texts other than those mentioned.
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.

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

DualPart Grow
Soft Water

Date : 01 Janvier 2008 Version No. 4 Review date: 03/01/2022

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

1.1 Product identifier

Product name: DUALPART GROW SOFT WATER

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

Relevant Identified Uses :
DualPart Grow Soft Water is a blend of mineral salts formulated and blended in proportions that ensure optimal nutrition for plants.
Uses not recommended: Any use not specified in this section or in section 7.3.
Use Descriptor System (REACH): No data available (not applicable).

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
Enviromental 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	None
Warning statement P-phrases (Reg. 1272/2008/CLP)	P phrases P102 Keep out of reach of children
Additional hazard information (EU)	None

2.3 Other hazards

Reg. 1272/2008/CLP None

3 SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Non applicable

Mixtures

3.2 Trade Name DualPart Grow Soft Water

Ingredient name Non applicable

Mixtures classified as dangerous Non applicable

Description DualPart Grow Soft water is a mixture of mineral salts, formulated and blended in proportions that ensure optimal nutrition for plants. The exact nature of the salts as well as their proportions are a manufacturing secret. However, they are derived from: Potassium Nitrate, Magnesium Chloride, Ammonium Nitrate, Potassium Carbonates

Chemical name	Concentration (%)	CAS Number
Ammonium nitrate	2-5	6484-52-2
Potassiun nitrate	10-20	7757-79-1
Calcium nitrate	10-20	10124-37-5

4 SECTION 4 : FIRST AID MEASURES

In general, if in doubt or if symptoms persist, seek medical attention. Do not give anything by mouth to an unconscious person.

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. Check for and remove any contact lenses.
Following skin contact	Wash with plenty of soapy water. Remove impregnated clothing.
Following ingestion	Do not induce vomiting. Rinse mouth with water and drink small amounts of water if conscious. Seek medical attention and show the product label if symptoms develop.
Following inhalation	Move the victim to fresh air. Keep her warm and at rest. In case of breathing difficulty contact a doctor.
Self-protection of the first aider	Depending on the first aid setting, 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 clothing.
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**

No known effects

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

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
No specific treatment.

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:

Use an extinguishing agent suitable for the surrounding fire or in the event of continued combustion, caused by improper handling, storage or use, the following extinguishing media may be used: carbon dioxide (CO_2), 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**

Due to its flammability characteristics, the product does not contain a fire hazard under normal conditions of storage, handling and use.
A fire in the surrounding space will often produce thick black smoke. Exposure to compositional products may result in health hazards. Do not breathe fumes.
Decomposition products may include the following materials:
oxides of nitrogen
sulphur oxides
phosphorus oxides
metal oxide / metal oxides
Fire water contaminated with this product should be contained and prevented from being

discharged to a watercourse or sewer.

5.3 **Advice for firefighters**

Protective actions to be taken when fighting fires

No special measures are required

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.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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**

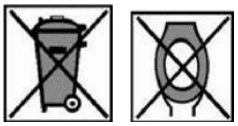
For non-emergency personnel

No action should be taken that involves an individual risk or in the absence of appropriate training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

For emergency responders

If necessary, responders will be equipped with appropriate personal protective equipment. (See section 8)

6.2 **Environmental precautions**



Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 **Methods and material for containment and cleaning up**

For containment:

Sewer coverage

For cleaning up:

Gather up the spilled product by mechanical means and remove the remains by water jets. Provide sufficient ventilation of the spillage area. Contaminated material must be disposed of in accordance with point 13.

6.4 **Reference to other sections**

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 Precautions for safe handling

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 Conditions for safe storage, including any incompatibilities

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 or heat. Store in labelled bottles.

Store in waterpoof paved areas if possible.

7.3 Specific end use(s)

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

8.1 Control parameters

Not applicable

Use good industrial hygiene practices.

8.2 Exposure controls

Appropriate engineering controls	No special controls. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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 provisions of the labour code.
Eye/face protection	It is necessary to wear protective goggles complying with standard NF EN166 before handling chemicals.
Skin protection	Hands: Wear suitable protective gloves in case of prolonged or repeated contact with the product. Use suitable protective gloves resistant to chemical agents in accordance with NF EN374.
Respiratory protection	Ensure adequate ventilation, especially in enclosed areas.
Body protection	Wear appropriate protective clothing. After contact with the product, all parts of the body that have been in contact with the product must be washed.
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 DualPart Grow Soft Water compounds are in liquid solution. Colour: yellowish-greenish
Odour	None
pH	3.18
Melting point	Not available

	Freezing point	Not available
	Initial boiling point and boiling range	Not available
	Flash point	Not available
	Evaporation rate	Not available
	Flammability (solid, gas)	Not available
	Upper/lower flammability or explosive limits	Not available
	Vapour pressure	Not available
	Vapour density	Not available
	Relative density	1.17
	Solubility(ies) 20°C	Entirely Soluble
	Partition coefficient : n-octanol/water	Not available
	Auto-ignition temperature	Not available
	Decomposition temperature	Not available
	Viscosity	Not available
	Explosive properties	Not available
	Oxidising properties	Not available
	Refraction index	Not available
	Rotary power	Not available

9.2 **Other information**

No other information

10 SECTION 10 : STABILITY AND REACTIVITY

10.1 **Reactivity**

No specific reactivity test data are available for this product or its components in normal conditions of use.

10.2 **Chemical stability**

DualPart Grow Soft Water 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 under normal storage and handling conditions.

10.3 **Possibility of hazardous reactions**

No risk of dangerous reactions under normal conditions of use and storage.

10.4 **Conditions to avoid**

No special conditions to avoid. Comply with usual precautionary practices regarding chemicals.

10.5 **Incompatible materials**

DualPart Grow Soft Water contains elements that are powerful oxidizers that can react with strong bases to release ammonium. It can also react with powerful reducing agents.

10.6 **Hazardous decomposition products**

At very high temperatures, decomposition products are formed: phosphorus oxide, magnesium oxide, potassium oxide(s), carbon monoxide and sulphur oxide(s).

11 SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 **Information on toxicological effects**

a) acute toxicity

Ingredient name	Result	Species	Dose	Exposure
Ammonium	LD50 Oral	Rat	2217 mg/kg	Not applicable
nitrate	LD50 Oral	Rat	2.000 - 5.000 mg/kg	Not applicable
Potassium nitrate	LD50	Rat	> 5,000 mg/kg	Not applicable
	Cutaneous	Rat	500 mg/kg 423 Acute oral toxicity - Acute toxicity	Not applicable
Calcium nitrate	LD50 Oral	Rat	class method	Not applicable
	L50D		200mg/kg	
	Cutaneous			

(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	There is no data available.
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: Mild irritation. No known significant effects or critical hazards. Eye Exposure: Mild irritation. No known significant effects or critical hazards.
Delayed and immediate effects as well as chronic effects from short- and long-term exposure	No known significant effects or critical hazards.
Interactive effects	No known significant effects or critical hazards.
Absence of specific data	No known significant effects or critical hazards.
Mixtures	No known significant effects or critical hazards.
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 constituent substances.
Other information	No known significant effects or critical hazards.

12 SECTION 12 : ECOLOGICAL INFORMATION

12.1 **Toxicity**

Non applicable

Product/ingredient	Result	Species	Exposition
Ammonium nitrate	Chronic NOEC 6-12 mg/L - Soft Water	Cladocera Crustaceans	21 hours
Potassiun nitrate	Acute LC50 1.378 mg/L soft water	Daphnie	48 hours
	OECD 203		
	Acute EC50 490 mg/L Soft water	Algae	240 hours
	Acute EC50 > 1,700 mg/l Soft water		

12.2 **Persistence and**

No data available to date to the best of our knowledge

	degradability	
12.3	**Bioaccumulative potential**	No data available to date to the best of our knowledge
12.4	**Mobility in soil**	No data available to date to the best of our knowledge. Waste generation should be avoided or minimized as much as possible, and the product should not be discharged into sewers or waterways.
12.5	**Results of PBT and vPvB assessment**	There is no data available.
12.6	**Other adverse effects**	No known significant effects or critical hazards.

13 SECTION 13 : DISPOSAL CONSIDERATIONS

13.1	**Waste treatment methods**	Do not flush to sewers or waterways. Waste: Waste management shall be carried out without endangering human health and without harming the environment, and in particular without creating a risk to water, air, soil, fauna and flora. Recycle or dispose of in accordance with current legislation, preferably by a licensed collector or company. Disposal of the product/packaging: Disposal into sewers or waterways is prohibited. 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. DualPart Grow Soft Water can be disposed of as you would any other industrial fertilizer. Follow local legislation.
	Waste codes / waste designations according to Law:	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**	Not regulated. Non-hazardous transport
14.2	**UN proper shipping name**	Not regulated. Non-hazardous transport
14.3	**Transport hazard class(es)**	Not regulated. Non-hazardous transport
	ADR	Not regulated. Non-hazardous transport
	IMDG	
	OACI/IATA	
14.4	**Packing group**	Not regulated. Non-hazardous transport
14.5	**Environmental hazards**	None
14.6	**Special precautions for user**	Not regulated. Non-hazardous transport
14.7	**Transport in bulk according to Annex II of MARPOL73/78 and the**	Not regulated. Non-hazardous transport

IBC Code

15 SECTION 15 :REGULATORY INFORMATION

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

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	None

15.2 Chemical safety assessment

Evaluation not carried out

16 SECTION 16 : OTHER INFORMATION

16.1 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

16.2 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)

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: 13/02/2020

Version :4

Modification: Section 1.3, Company name

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

The indicated mixture does not require an SDS according to the REACH requirements. This sheet 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

Note

technical instructions for use but does not replace them. The information in this safety data sheet has been compiled by Terra Aquatica on the basis of its current knowledge (safety data sheet for the active ingredients compiled by the manufacturer and other bibliographical data) as of the date indicated. It is given in good faith. In addition, 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 recipient must ensure that he is not liable for anything other than what is stated in the texts other than those mentioned.

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.