

Safety data sheet

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

Creation date : 01/01/08
Revision date : 15/02/23
Version: 6



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

1.1 Product identifier

A. Trade name TRIPART BLOOM

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

Relevant identified uses of the substance or mixture TriPart Bloom 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

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 None
Environmental risks None
Physico-chemical hazards None
Other hazards None

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)

2.3 Other hazards

None

3 SECTION 3 Composition/information on ingredients

3.1 Substances Non applicable

| | | |
|------------|--|---|
| 3.2 | Mixtures | Tripart Bloom |
| | Description | Tripart Bloom 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 : monopotassium phosphate, magnesium chloride. |
| | Additional data for identification of hazardous substances | Non applicable |

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.

4.1 Description of first aid measures

| | |
|-----------------------------------|--|
| 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. |
| In case of eye contact | 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 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 |

4.2 Most important symptoms and effects, both acute and delayed No known symptoms

4.3 Indication of any immediate medical attention and special treatment needed No known data

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 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 | Special hazards arising from the substance or mixture | <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 oxides of sulfur oxides of phosphorus metal oxide / metal oxides</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 | Advice for firefighters | <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> |
| Protective actions to be taken when fighting fires | | <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> |
| Appropriate protective equipment | | |
| 5.4 | Other data | Non applicable |
| 6 | SECTION 6 Accidental release measures | |
| 6.1 | Personal precautions, protective equipment and emergency procedures | |
| 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 | Environmental precautions | |
| 6.3 | Methods and material for containment and cleaning up | |
| 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. |
| 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 extraction. 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 | Specific end use(s) | 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 | Control parameters | Not applicable Follow good industrial hygiene practices. |
| 8.2 | Exposure controls | |
| 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.

8.3 Environmental exposure controls No data available. Biodegradable product

9 SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | | |
|----|--|--|
| a) | Physical state | All Tripart Bloom compounds are in aqueous solution. |
| b) | Colour | Pink |
| c) | Odour | No odor |
| d) | Melting point/freezing point | -.1°C (30.2°F)/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 | 4.47 |
| 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 | 1.162 |
| 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

10 SECTION 10 Stability and reactivity

| | |
|--|--|
| 10.1 Reactivity | Stable. No particular risk of reaction with other materials under normal conditions of use. |
| 10.2 Chemical stability | Tripart 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. |
| 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 | Tripart Bloom contains elements that are strong oxidizers that can react with strong bases to give off ammonium. It can also react with strong reducing agents. |
| 10.6 Hazardous decomposition products | At very high temperatures, decomposition products are formed: phosphorous oxide, magnesium oxide, potassium oxide(s), carbon monoxide and sulfur oxide(s). |

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 data available |
| d) | Respiratory or skin sensitisation | No data available |

| | | |
|-------------|--|--|
| e) | Germ cell mutagenicity | No data available |
| f) | Carcinogenicity | No data available |
| g) | Reproductive toxicity | No data available |
| 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. No known significant effects or critical hazards. |
| | 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 | Mixture not containing substances subject to registration. No known adverse effects or symptoms resulting from exposure to the mixture or its components. |
| 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 | Persistence and degradability | Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. |
| 12.3 | Bioaccumulative potential | The product is not expected to cause any effect on the environment if used properly according to the recommendations. |
| 12.4 | Mobility in soil | This product can be carried by groundwater seepage or surface runoff because it is completely soluble. |
| 12.5 | Results of PBT and vPvB assessment | No data available to date to the best of our knowledge |
| 12.6 | Endocrine disrupting properties | No data available to date to the best of our knowledge |
| 12.7 | Other adverse effects | No data available to date to the best of our knowledge |
| 13 | SECTION 13 Disposal considerations | |
| 13.1 | 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.

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

14 SECTION 14 Transport information

| | | |
|------|---|-------------------------|
| 14.1 | UN number or ID number | Non-hazardous transport |
| 14.2 | UN proper shipping name | Non-hazardous transport |
| 14.3 | Transport hazard class(es) ADR IMDG OACI/IATA | Non-hazardous transport |
| 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 | Maritime transport in bulk according to IMO instruments | Non applicable |

15 SECTION 15 Regulatory information

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

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 Chemical safety assessment

Evaluation not carried out

16 SECTION 16 Other information

16.1 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS NUMBER: Chemical Abstract Service number

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

16.2 Bibliographical references

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

16.3 Changes from the previous version

New version date

15/02/2023

Previous version date

03/01/2022

Version

6

Modified elements

Update According to Regulation (EU) 2020/878; section 11, section 12

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.

Safety data sheet

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

Creation date : 01/01/08
Revision date : 15/02/23
Version: 6



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

1.1 Product identifier

A. Trade name **TRIPART GROW**

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

Relevant identified uses of the substance or mixture TriPart Grow 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

UFI Code 2CXW-F8GT-600X-711N

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

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

2.1 Classification of the substance or mixture

Reg. 1272/2008/CLP
Additional information None
Hazards for humans None
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



Hazard Word
Hazardous substances to be indicated on the label None
Hazard statement

H272 May intensify fire; oxidiser.

Warning statement

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P220 Keep away from clothing and other combustible materials.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301 IF SWALLOWED:
- P312 Call a POISON CENTER/doctor/... if you feel unwell.
- P102 Keep out of reach of children.
- None

2.3 Other hazards

3 SECTION 3 Composition/information on ingredients

3.1 Substances

Non applicable

3.2 Mixtures

Tripart Grow

Description

Tripart Grow 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 :

In case of eye contact

Potassium nitrate, ammonium nitrate, potassium carbonate

Chemical Name

Potassium nitrate,

Concentration

5~15%

CAS NO.

7757-79-1

Chemical Name

Ammonium nitrate

Concentration

3~5%

CAS NO.

6484-52-2

Additional data for identification of hazardous substances

Non applicable

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.

4.1 Description of first aid measures

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.

In case of ingestion/aspiration

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 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 |
| 4.2 | Most important symptoms and effects, both acute and delayed | No known symptoms |
| 4.3 | Indication of any immediate medical attention and special treatment needed | No known data |
| 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 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 | Special hazards arising from the substance or mixture | <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 oxides of sulfur oxides of phosphorus metal oxide / metal oxides</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 | Advice for firefighters | |
| | 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.</p> <p>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 | 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 data | Non applicable |

6 SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Ensure proper ventilation. Wear gloves and safety glasses to avoid stains or risk of splashing.
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).

6.1.2 For emergency responders
Workers will be equipped with personal protective equipment appropriate to the possible hazards. (See section 8)

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

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 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 extraction.

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 Specific end use(s) | <p>No specific end uses.</p> <p>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.</p> |
|-------------------------|---|

8 SECTION 8 Exposure controls/personal protection

| | |
|---|--|
| 8.1 Control parameters | <p>Not applicable</p> <p>Follow good industrial hygiene practices.</p> |
| 8.2 Exposure controls | |
| 8.2.1 Appropriate engineering controls | <p>No particular control</p> |
| 8.2.2 Individual protection measures, such as personal protective equipment | <p>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.</p> <p>Personal protective equipment must be adapted to the risk, kept clean and properly maintained in accordance with the provisions of the Labour Code.</p> |
| a) Eye/face protection | <p>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.</p> |
| b) Skin protection | <p>Hands: Wear suitable protective gloves in case of prolonged or repeated contact with the product to avoid stains.</p> <p>Use suitable chemical-resistant protective gloves in accordance with NF EN374.</p> |
| c) Respiratory protection | <p>Ensure adequate ventilation, especially in enclosed areas. Respiratory protection device not required.</p> |
| Body protection | <p>Wear appropriate protective clothing.</p> <p>After contact with the product, all soiled body parts should be washed.</p> |
| 8.3 Environmental exposure controls | <p>No data available. Biodegradable product</p> |

9 SECTION 9 Physical and chemical properties

| | | |
|--|---|--|
| 9.1 Information on basic physical and chemical properties | | |
| a) Physical state | All Tripart Grow compounds are in aqueous solution. | |
| b) Colour | Green | |
| c) Odour | No odor | |
| d) Melting point/freezing point | -1°C (30.2°F)/Not determined | |
| e) Boiling point or initial boiling point and boiling range | 101°C (213.8°F) | |
| 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 | 4.20 | |
| 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 | 1.14 | |
| 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

10 SECTION 10 Stability and reactivity

| | | |
|------|---|--|
| 10.1 | Reactivity | Stable. No particular risk of reaction with other materials under normal conditions of use. |
| 10.2 | Chemical stability | Tripart Grow 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. |
| 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 | Tripart Grow contains elements that are strong oxidizers that can react with strong bases to give off ammonium. It can also react with strong reducing agents. |
| 10.6 | Hazardous decomposition products | At very high temperatures, decomposition products are formed: phosphorous oxide, magnesium oxide, potassium oxide(s), carbon monoxide and sulfur oxide(s). |

11 SECTION 11 Toxicological information

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

| | | |
|--------|--|---|
| a) | Acute toxicity | |
| | Product/ Ingredient | Potassium nitrate |
| | Result/ Dose/ Species/ Exposure | DLC 50 oral / > 2000 mg/kg-5000 mg/kg / Rat/ Not applicable DLC 50 cutaneous / > 5000 mg/kg/ Rat/ Not applicable |
| | Product/ Ingredient | Ammonium nitrate |
| | Result/ Dose/ Species/ Exposure | CSD 50 oral/ >2950mg/kg/ Rat/ Not applicable CSD 50 dermal/ >5000mg/kg/ Rat/ Not applicable |
| | Conclusion | No known significant effects or critical hazards. |
| b) | Skin corrosion/irritation | No data available |
| c) | Serious eye damage/irritation | No data available |
| d) | Respiratory or skin sensitisation | No data available |
| e) | Germ cell mutagenicity | No data available |
| f) | Carcinogenicity | No data available |
| g) | Reproductive toxicity | No data available |
| 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. No known significant effects or critical hazards. |
| | 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. |
| | Product/ Ingredient | Potassium nitrate |
| | Result/ Dose/ Species/ Exposure | Acute LC50 1378 mg/L fresh water OECD 203 / daphnia / 48h Acute EC50 490 mg/L fresh water / algae / 240h Acute EC50 > 1700 mg/l fresh water / algae / 240h |
| | Product/ Ingredient | Ammonium nitrate |
| | Result/ Dose/ Species/ Exposure | Chronic NOEC 6 to 12 mg/L - Freshwater / Cladocera crustaceans / 21 days |
| | Conclusion | No known significant effects or critical hazards. |
| 12.2 | Persistence and degradability | Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. |
| 12.3 | Bioaccumulative potential | The product is not expected to cause any effect on the environment if used properly according to the recommendations. |
| 12.4 | Mobility in soil | This product can be carried by groundwater seepage or surface runoff because it is completely soluble. |
| 12.5 | Results of PBT and vPvB assessment | No data available to date to the best of our knowledge |
| 12.6 | Endocrine disrupting properties | No data available to date to the best of our knowledge |
| 12.7 | Other adverse effects | No data available to date to the best of our knowledge |
| 13 | SECTION 13 Disposal considerations | |
| 13.1 | 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. 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 |
| 14 | SECTION 14 Transport information | |
| 14.1 | UN number or ID number | Non-hazardous transport |
| 14.2 | UN proper shipping name | Non-hazardous transport |
| 14.3 | Transport hazard class(es) | |
| | ADR | Non-hazardous transport |
| | IMDG | |

| | | |
|-----------|---|---|
| | 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 | Maritime transport in bulk according to IMO instruments | Non applicable |
| 15 | SECTION 15 Regulatory information | |
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture | |
| | 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 | Chemical safety assessment | Evaluation not carried out |
| 16 | SECTION 16 Other information | |
| 16.1 | Abbreviations and acronyms | <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road</p> <p>CAS NUMBER: Chemical Abstract Service number</p> <p>EC50: Concentration that gives effect to 50% of the test population.</p> <p>EC NUMBER: Identification number in ESIS (European archive of existing substances)</p> <p>CLP: Regulation EC 1272/2008</p> <p>DNEL: Calculated No Effect Level</p> <p>IATA DGR: International Air Transport Association Dangerous Goods Regulations</p> <p>IMDG: International Maritime Dangerous Goods Code</p> <p>IMO: International Maritime Organization</p> <p>LC50: Lethal concentration 50</p> <p>LD50: Lethal Dose 50%.</p> <p>OEL: Occupational Exposure Level</p> <p>PBT: Persistent, Bioaccumulative and Toxic according to REACH</p> <p>PEC: Predicted Environmental Concentration</p> <p>PEL: Predicted Exposure Level</p> <p>PNEC: Predicted No Effect Concentration</p> <p>REACH: Regulation EC 1907/2006</p> <p>vPvB: Very Persistent and Bioaccumulative according to REACH</p> |
| 16.2 | Bibliographical references | <p>Regulation (EC) 1907/2006 of the European Parliament (REACH)</p> <p>Regulation (EC) 1272/2008 of the European Parliament (CLP)</p> <p>Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)</p> <p>Regulation (EC) 453/2010 of the European Parliament</p> <p>Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP)</p> <p>INRS - Toxicological Data Sheet</p> <p>Patty - Industrial hygiene and toxicology</p> <p>ECHA website</p> |

16.3 Changes from the previous version

| | |
|-----------------------|---|
| New version date | 15/02/2023 |
| Previous version date | 07/12/2022 |
| Version | 6 |
| Modified elements | Updated In accordance with Regulation (EU) 2020/878; 3.2; section 11 and 12 |

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.

Safety data sheet

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

Creation date : 01/01/08
Revision date : 15/02/23
Version: 7



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

| | |
|--|--|
| 1.1 Product identifier | |
| A. Trade name | TRIPART MICRO HARD WATER |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | |
| Relevant identified uses of the substance or mixture | TriPart Micro Hard Water 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 |
| UFI Code | X0SD-TJFK-920T-1KEK |
| 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 |
| 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

| | |
|---|-----------------|
| 2.1 Classification of the substance or mixture | |
| Reg. 1272/2008/CLP | |
| Additional information | None |
| Hazards for humans | Yes, eye damage |
| 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



Hazard Word
Hazardous substances to be indicated on the label
Hazard statement

DANGER
Nitric acid, ammonium and calcium salt.

Warning statement

H272 May intensify fire; oxidiser.
H318 Causes serious eye damage.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 Keep away from clothing and other combustible materials.

P301 IF SWALLOWED:

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P102 Keep out of reach of children.

None

2.3 Other hazards

3 SECTION 3 Composition/information on ingredients

3.1 Substances

Non applicable

3.2 Mixtures

Tripart Micro Hard Water

Description

Tripart Micro Hard Water 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 :

In case of eye contact

ammonium nitrate, potassium nitrate, calcium nitrate, copper nitrate, EDDHA iron chelate, EDTA manganese and zinc chelates, sodium molybdate.

Chemical Name

Ammonium nitrate

Concentration

$\geq 10 \leq 25\%$

CAS NO.

6484-52-2

Chemical Name

Calcium nitrate

Concentration

$\geq 5 \leq 10\%$

CAS NO.

15245-12-2

Chemical Name

Potassium nitrate

Concentration

$\geq 1 \leq 5\%$

CAS NO.

7757-79-1

Additional data for identification of hazardous substances

Non applicable

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.

4.1 Description of first aid measures

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.

In case of ingestion/aspiration

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 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 |
| 4.2 Most important symptoms and effects, both acute and delayed | No known symptoms |
| 4.3 Indication of any immediate medical attention and special treatment needed | No known data |
| 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 for a surrounding fire Inappropriate extinguishing media | Use dry chemical, carbon dioxide, water spray (mist) or foam. In case of fire, do not use: Water jet |
| 5.2 Special hazards arising from 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 products. Decomposition products may include the following materials: Carbon Dioxide Carbon monoxide Nitrogen oxides Metal oxide / metal oxides This product is toxic to aquatic life. Fire water contaminated with this product should be contained and prevented from entering a watercourse or sewer. |
| 5.3 Advice for firefighters | 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. |
| Protective actions to be taken when fighting fires | |

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 data

Non applicable

6 SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Ensure proper ventilation. Wear gloves and safety glasses to avoid stains or risk of splashing.
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).

6.1.2 For emergency responders
Workers will be equipped with personal protective equipment appropriate to the possible hazards. (See section 8)

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

6.3 Methods and material for containment and cleaning up

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 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 | <p>Ensure adequate local ventilation or extraction.</p> <p>Store in a cool, dry place. Keep container tightly closed in a dry, well-ventilated place.</p> <p>Close containers before and after each use to avoid sources of moisture or heat.</p> <p>If possible in areas with waterproof pavement.</p> |
| 7.3 | Specific end use(s) | <p>No specific end uses.</p> <p>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.</p> |

8 SECTION 8 Exposure controls/personal protection

| | | |
|-------|---|--|
| 8.1 | Control parameters | <p>Not applicable</p> <p>Follow good industrial hygiene practices.</p> |
| 8.2 | Exposure controls | |
| 8.2.1 | Appropriate engineering controls | No particular control |
| 8.2.2 | Individual protection measures, such as personal protective equipment | <p>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.</p> <p>Personal protective equipment must be adapted to the risk, kept clean and properly maintained in accordance with the provisions of the Labour Code.</p> |
| a) | Eye/face protection | <p>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.</p> |
| b) | Skin protection | <p>Hands: Wear suitable protective gloves in case of prolonged or repeated contact with the product to avoid stains.</p> <p>Use suitable chemical-resistant protective gloves in accordance with NF EN374.</p> |
| c) | Respiratory protection | <p>Ensure adequate ventilation, especially in enclosed areas. Respiratory protection device not required.</p> |
| | Body protection | <p>Wear appropriate protective clothing.</p> <p>After contact with the product, all soiled body parts should be washed.</p> |
| 8.3 | Environmental exposure controls | No data available. Biodegradable product |

9 SECTION 9 Physical and chemical properties

| | | |
|-----|--|---|
| 9.1 | Information on basic physical and chemical properties | |
| a) | Physical state | All Tripart Micro Hard Water compounds are in aqueous solution. |
| b) | Colour | Dark Brown |
| c) | Odour | No odor |
| d) | Melting point/freezing point | -.11°C (30°F)/Not determined |
| e) | Boiling point or initial boiling point and boiling range | 102.778°C (217°F) |
| 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 | 5.6 |

| | | |
|----|---|------------------|
| 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 | 1.108 |
| 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 |
|-------|--|------|

10 SECTION 10 Stability and reactivity

| | | |
|-------------|---|--|
| 10.1 | Reactivity | Stable. No particular risk of reaction with other materials under normal conditions of use. |
| 10.2 | Chemical stability | Tripart Micro 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. |
| 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 | Tripart Micro Soft Water contains elements that are strong oxidizers that can react with strong bases to give off ammonium. It can also react with strong reducing agents. |
| 10.6 | Hazardous decomposition products | No hazardous polymerization can be produced by any of these components. |

11 SECTION 11 Toxicological information

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

| | | |
|----|-----------------------------------|---|
| a) | Acute toxicity | |
| | Product/ Ingredient | Ammonium nitrate |
| | Result/ Dose/ Species/ Exposure | CSD 50 oral/ >2950mg/kg/ Rat/ Not applicable CSD 50 dermal/ >5000mg/kg/ Rat/ Not applicable |
| | Product/ Ingredient (component) | Nitric acid, ammonium and calcium salt |
| | Result/ Dose/ Species/ Exposure | OECD 423 CSD 50 oral/ 500mg/kg/ Rat/ Not applicable CSD 50 dermal/ 2000mg - 5000 mg/kg/ Rat/ Not applicable |
| | Product/ Ingredient | Potassium nitrate |
| | Result/ Dose/ Species/ Exposure | DLC 50 oral / > 2000 mg/kg-5000 mg/kg / Rat/ Not applicable DLC 50 cutaneous / > 5000 mg/kg/ Rat/ Not applicable |
| | Conclusion | No known significant effects or critical hazards. |
| b) | Skin corrosion/irritation | No data available |
| c) | Serious eye damage/irritation | Causes serious eye damage. |
| | Product/ Ingredient (component) | Nitric acid, ammonium and calcium salt |
| | Result/ Dose/ Species/ Exposure | OECD 405 Eyes/ damage / Rabbit/ 24h-72h |
| d) | Respiratory or skin sensitisation | No data available |
| e) | Germ cell mutagenicity | No data available |
| f) | Carcinogenicity | No data available |
| g) | Reproductive toxicity | No data available |
| 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. No known significant effects or critical hazards. |
| | Inhalation | Unlikely route of exposure under normal conditions of use. No known significant effects or critical hazards. |
| | Skin exposure Eye Exposure | Slight irritation possible. Wash down with water. Causes serious eye damage. |
| 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. |
| | Product/ Ingredient | Ammonium nitrate |
| | Result/ Dose/ Species/ Exposure | Chronic NOEC 6 to 12 mg/L - Freshwater / Cladocera crustaceans / 21 days |
| | Product / Ingredient (Component) | Nitric acid, ammonium and calcium salt |
| | Method /Result / Species / Exposure | Acute LC50 fresh water/ 447 mg/l / fish/ 48 OECD 202 Acute EC50 fresh water/ >100mg/l/ Daphnia / 48h OECD 201 Acute LC50 fresh water/ >100 mg/l / Algae / 72h |
| | Product/ Ingredient | Potassium nitrate |
| | Result/ Dose/ Species/ Exposure | Acute LC50 1378 mg/L fresh water OECD 203 / daphnia / 48h Acute EC50 490 mg/L fresh water / algae / 240h Acute EC50 > 1700 mg/l fresh water / algae / 240h |
| 12.2 | Persistence and degradability | Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. |
| 12.3 | Bioaccumulative potential | The product is not expected to cause any effect on the environment if used properly according to the recommendations. |
| 12.4 | Mobility in soil | This product can be carried by groundwater seepage or surface runoff because it is completely soluble. |
| 12.5 | Results of PBT and vPvB assessment | No data available to date to the best of our knowledge |
| 12.6 | Endocrine disrupting properties | No data available to date to the best of our knowledge |
| 12.7 | Other adverse effects | No data available to date to the best of our knowledge |
| 13 | SECTION 13 Disposal considerations | |
| 13.1 | 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.

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.

Not determined

Waste List Code

14 SECTION 14 Transport information

| | | |
|-------------|--|-------------------------|
| 14.1 | UN number or ID number | Non-hazardous transport |
| 14.2 | UN proper shipping name | Non-hazardous transport |
| 14.3 | Transport hazard class(es) | |
| | ADR | Non-hazardous transport |
| | IMDG | |
| | 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 | Maritime transport in bulk according to IMO instruments | Non applicable |

15 SECTION 15 Regulatory information

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

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 Chemical safety assessment

Evaluation not carried out

16 SECTION 16 Other information

16.1 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS NUMBER: Chemical Abstract Service number

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

16.2 Bibliographical references

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

16.3 Changes from the previous version

New version date

15/02/2023

Previous version date

25/11/2022

Version

7

Modified elements

Update According to Regulation (EU) 2020/878; section 11, section 12

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.

Safety data sheet

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

Creation date : 01/01/08
Revision date : 15/02/23
Version: 7



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

1.1 Product identifier

A. Trade name **TRIPART MICRO SOFT WATER**

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

Relevant identified uses of the substance or mixture

TriPart Micro Soft Water 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

UFI Code

FUHU-JD9Y-DQ01-9KDW

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

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

2.1 Classification of the substance or mixture

Reg. 1272/2008/CLP

Additional information

None

Hazards for humans

Yes, eye damage

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



Hazard Word

DANGER

Hazardous substances to be indicated on the label

Nitric acid, ammonium and calcium salt.

Hazard statement

H272 May intensify fire; oxidiser.

H318 Causes serious eye damage.

Warning statement

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 Keep away from clothing and other combustible materials.

P301 IF SWALLOWED:

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P102 Keep out of reach of children.

None

2.3 Other hazards

3 SECTION 3 Composition/information on ingredients

3.1 Substances

Non applicable

3.2 Mixtures

Tripart Micro Soft Water

Description

Tripart Micro Soft Water 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 :

In case of eye contact

ammonium nitrate, potassium nitrate, calcium nitrate, copper nitrate, EDDHA iron chelate, EDTA manganese and zinc chelates, sodium molybdate.

Chemical Name

Ammonium nitrate

Concentration

$\geq 1 \leq 5\%$

CAS NO.

6484-52-2

Chemical Name

Calcium nitrate

Concentration

$\geq 20 \leq 30\%$

CAS NO.

15245-12-2

Chemical Name

Potassium nitrate

Concentration

$\geq 1 \leq 5\%$

CAS NO.

7757-79-1

Additional data for identification of hazardous substances

Non applicable

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.

4.1 Description of first aid measures

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.

In case of ingestion/aspiration

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 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.

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| 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 |
| 4.2 Most important symptoms and effects, both acute and delayed | No known symptoms |
| 4.3 Indication of any immediate medical attention and special treatment needed | No known data |
| 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 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 Special hazards arising from the substance or mixture | <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: Carbon Dioxide Carbon monoxide Nitrogen oxides Metal oxide / metal oxides</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 Advice for firefighters | <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.</p> <p>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> |
| Protective actions to be taken when fighting fires | |

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| 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 data | Non applicable |
| 6 SECTION 6 Accidental release measures | |
| 6.1 Personal precautions, protective equipment and emergency procedures | |
| 6.1.1 For non-emergency personnel | Ensure proper ventilation. Wear gloves and safety glasses to avoid stains or risk of splashing. 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). |
| 6.1.2 For emergency responders | Workers will be equipped with personal protective equipment appropriate to the possible hazards. (See section 8) |
| 6.2 Environmental precautions | |
| Avoid contamination of sewers, surface water and groundwater. If this happens, inform the competent authorities. | |
| 6.3 Methods and material for containment and cleaning up | |
| 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 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 | <p>Ensure adequate local ventilation or extraction. 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.</p> |
| 7.3 | Specific end use(s) | <p>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.</p> |

8 SECTION 8 Exposure controls/personal protection

| | | |
|-------|---|--|
| 8.1 | Control parameters | <p>Not applicable Follow good industrial hygiene practices.</p> |
| 8.2 | Exposure controls | |
| 8.2.1 | Appropriate engineering controls | <p>No particular control</p> |
| 8.2.2 | Individual protection measures, such as personal protective equipment | <p>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.</p> |
| a) | Eye/face protection | <p>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.</p> |
| b) | Skin protection | <p>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.</p> |
| c) | Respiratory protection | <p>Ensure adequate ventilation, especially in enclosed areas. Respiratory protection device not required.</p> |
| | Body protection | <p>Wear appropriate protective clothing. After contact with the product, all soiled body parts should be washed.</p> |
| 8.3 | Environmental exposure controls | <p>No data available. Biodegradable product</p> |

9 SECTION 9 Physical and chemical properties

| | | |
|-----|--|--|
| 9.1 | Information on basic physical and chemical properties | |
| a) | Physical state | <p>All Tripart Micro Soft Water compounds are in aqueous solution.</p> |
| b) | Colour | <p>Dark Brown</p> |
| c) | Odour | <p>No odor</p> |
| d) | Melting point/freezing point | <p>-.11°C (30°F)/Not determined</p> |
| e) | Boiling point or initial boiling point and boiling range | <p>Not determined</p> |
| f) | Flammability | <p>Non inflammable</p> |
| g) | Lower and upper explosion limit | <p>Not applicable</p> |
| h) | Flash point | <p>Not determined</p> |
| i) | Auto-ignition temperature | <p>Not determined</p> |
| j) | Decomposition temperature | <p>Not determined</p> |
| k) | pH | <p>5.8</p> |

| | | |
|----|---|------------------|
| 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 | 1.25 |
| 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 |
|-------|--|------|

10 SECTION 10 Stability and reactivity

| | | |
|-------------|---|--|
| 10.1 | Reactivity | Stable. No particular risk of reaction with other materials under normal conditions of use. |
| 10.2 | Chemical stability | Tripart Micro 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. |
| 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 | Tripart Micro Soft Water contains elements that are strong oxidizers that can react with strong bases to give off ammonium. It can also react with strong reducing agents. |
| 10.6 | Hazardous decomposition products | No hazardous polymerization can be produced by any of these components. |

11 SECTION 11 Toxicological information

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

| | | |
|----|--|---|
| a) | Acute toxicity Product/ Ingredient | No known toxicological effects Ammonium nitrate |
| | Result/ Dose/ Species/ Exposure | CSD 50 oral/ >2950mg/kg/ Rat/ Not applicable CSD 50 dermal/ >5000mg/kg/ Rat/ Not applicable |
| | Product/ Ingredient (component) | Nitric acid, ammonium and calcium salt |
| | Result/ Dose/ Species/ Exposure | OECD 423 CSD 50 oral/ 500mg/kg/ Rat/ Not applicable CSD 50 dermal/ 2000mg - 5000 mg/kg/ Rat/ Not applicable |
| | Product/ Ingredient | Potassium nitrate |
| | Result/ Dose/ Species/ Exposure | DLC 50 oral / > 2000 mg/kg-5000 mg/kg / Rat/ Not applicable DLC 50 cutaneous / > 5000 mg/kg/ Rat/ Not applicable |
| | Conclusion | No known significant effects or critical hazards. |
| b) | Skin corrosion/irritation | No data available |
| c) | Serious eye damage/irritation Product/ Ingredient (component) | Causes serious eye damage. Nitric acid, ammonium and calcium salt |
| | Result/ Dose/ Species/ Exposure | OECD 405 Eyes/ damage / Rabbit/ 24h-72h |
| d) | Respiratory or skin sensitisation | No data available |
| e) | Germ cell mutagenicity | No data available |
| f) | Carcinogenicity | No data available |
| g) | Reproductive toxicity | No data available |
| 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. No known significant effects or critical hazards. |
| | Inhalation | Unlikely route of exposure under normal conditions of use. No known significant effects or critical hazards. |
| | Skin exposure Eye Exposure | Slight irritation possible. Wash down with water. Causes serious eye damage. |
| 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. |
| | Product/ Ingredient | Ammonium nitrate |
| | Result/ Dose/ Species/ Exposure | Chronic NOEC 6 to 12 mg/L - Freshwater / Cladocera crustaceans / 21 days |
| | Product / Ingredient (Component) | Nitric acid, ammonium and calcium salt |
| | Method /Result / Species / Exposure | Acute LC50 fresh water/ 447 mg/l / fish/ 48 OECD 202 Acute EC50 fresh water/ >100mg/l/ Daphnia / 48h OECD 201 Acute LC50 fresh water/ >100 mg/l / Algae / 72h |
| | Product/ Ingredient | Potassium nitrate |
| | Result/ Dose/ Species/ Exposure | Acute LC50 1378 mg/L fresh water OECD 203 / daphnia / 48h Acute EC50 490 mg/L fresh water / algae / 240h Acute EC50 > 1700 mg/l fresh water / algae / 240h |
| 12.2 | Persistence and degradability | Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. |
| 12.3 | Bioaccumulative potential | The product is not expected to cause any effect on the environment if used properly according to the recommendations. |
| 12.4 | Mobility in soil | This product can be carried by groundwater seepage or surface runoff because it is completely soluble. |
| 12.5 | Results of PBT and vPvB assessment | No data available to date to the best of our knowledge |
| 12.6 | Endocrine disrupting properties | No data available to date to the best of our knowledge |
| 12.7 | Other adverse effects | No data available to date to the best of our knowledge |
| 13 | SECTION 13 Disposal considerations | |
| 13.1 | 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.

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.

Not determined

Waste List Code

14 SECTION 14 Transport information

| | | |
|-------------|--|-------------------------|
| 14.1 | UN number or ID number | Non-hazardous transport |
| 14.2 | UN proper shipping name | Non-hazardous transport |
| 14.3 | Transport hazard class(es) | |
| | ADR | Non-hazardous transport |
| | IMDG | |
| | 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 | Maritime transport in bulk according to IMO instruments | Non applicable |

15 SECTION 15 Regulatory information

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

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 Chemical safety assessment

Evaluation not carried out

16 SECTION 16 Other information

16.1 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS NUMBER: Chemical Abstract Service number

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

16.2 Bibliographical references

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

16.3 Changes from the previous version

New version date

15/02/2023

Previous version date

06/12/2022

Version

7

Modified elements

Update According to Regulation (EU) 2020/878; section 11, section 12

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.