Safety data sheet COMMISSION REGULATION (EU) 2020/878 of 18 June 2020

| Creation date : | |
|-----------------|--|
| Revision date : | |
| Version: | |

01/01/08 15/02/23 6



| 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 Company's name Terra Aquatica Address 4 Boulevard du Biopole, 32500 Fleurance Phone number +33 (0) 5C 00 63 0 Email address info@iterraaquatica.com 1.4 Emergency telephone number Fire and rescue 999 Police 101 EU emergency call line 112 ORFILA Toxicological Information Center (INRS) + 33 01 55 61 77 74 47 2 SECTION 2. Hazards identification In accordance with Regulation No. 1272/2008 (CLP), the product is not considered dangerous (IK). Additional information None None Hazards for humans None Environmental risks </th <th>1</th> <th>SECTION 1 Identification of the substance/mixtu</th> <th>re and of the company/undertaking</th> | 1 | SECTION 1 Identification of the substance/mixtu | re and of the company/undertaking |
|---|-----|---|--|
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| mixture 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 Terra Aquatica Address 4 Boulevard du Biopole, 32500 Fleurance Phone number +33 (0)5 62 06 08 30 E-mail address 999 Fire and rescue 999 Police 101 EU emergency telephone number 122 ORFILA Toxicological Information Center (INRS) (+) 33 01 45 41 59 59 Toxicological information center 5030 56 1 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 Other hazards None 2.1 Label elements In accordance with Reg. 1272/2008/CLP and its adaptations None Danger pictogram None Hazardous substances to be indicated None None Hazardous substa | 1.2 | Relevant identified uses of the substance or mixt | ure and uses advised against |
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| 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 Other hazards None In accordance with Reg. 1272/2008/CLP and its adaptations None Danger pictogram None Hazard Word None Hazard Statement None Warning statement P102 Keep out of reach of children Additional information on hazards (EU) None | | | |
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| In accordance with Reg. 1272/2008/CLP and its adaptations Danger pictogram None Hazard Word None Hazardous substances to be indicated None Hazard statement None Hazard statement None Warning statement P102 Keep out of reach of children Additional information on hazards (EU) 2.3 Other hazards None SECTION 3 Composition/information on ingredients | 2.2 | Hazards for humans Environmental risks Physico-chemical hazards Other hazards | None None |
| Additional information on hazards (EU) 2.3 Other hazards SECTION 3 Composition/information on ingredients | | In accordance with Reg. 1272/2008/CLP and its adaptations Danger pictogram Hazard Word Hazardous substances to be indicated on the label Hazard statement | None None None |
| 3 SECTION 3 Composition/information on ingredients | | Additional information on hazards (EU) | |
| | | | |
| | 3 | SECTION 3 Composition/information on ingredie | nts |

| 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 hav However, in case of doubt or if symptoms persist, s unconscious person. | re used this product. eek medical attention. Do not give anything by mouth to an |
| 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 In case of eye contact | Rinse thoroughly with water for at least 15 minutes. Remove contaminated clothing. If the skin is red or puffy, or if an irritation persists, consult a doctor. Do not give anything by mouth to an unconscious or convulsing person. If a person has swallowed this product and is |
| | | conscious, give small amounts of water to drink to dilute the product. |
| | In case of 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: oxides of nitrogen oxides of sulfur oxides of phosphorus 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

| | Protective actions to be taken when fighting fires | 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. |
|-------------------|--|--|
| | 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 |
| 5.4 6 6.1 | Other data SECTION 6 Accidental release measures Personal precautions, protective equipment and e | |
| 6 | SECTION 6 Accidental release measures | |
| 6 6.1 | SECTION 6 Accidental release measures Personal precautions, protective equipment and e | 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 |
| 6 6.1 6.1.1 | SECTION 6 Accidental release measures Personal precautions, protective equipment and e 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). Workers will be equipped with personal protective equipment |

| 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 | Avoid formation of supponded particles and dispersion of the |
| 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 | 1 |
| 8.1 | Control parameters | Not applicable Follow good industrial hygiene practices. |
| 8.2 8.2.1 | Exposure controls 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

8.3 Environmental exposure controls Wear appropriate protective clothing.

No data available. Biodegradable product

After contact with the product, all soiled body parts should be washed.

| 9 | SECTION 9 Physical and chemical properties | |
|------------------------------------|---|--|
| 9.1 | Information on basic physical and chemical prope | |
| a) | Physical state | All Tripart Bloom compounds are in aqueous solution. |
| b) c) | Colour Odour | Pink No odor |
| d) | Melting point/freezing point Boiling point or initial boiling point and boiling | 1°C (30.2°F)/Not determined |
| e) | range | Not determined |
| f) | Flammability | Non inflammable |
| g) | Lower and upper explosion limit | Not applicable |
| h) i) j) k) | Flash point Auto-ignition temperature Decomposition temperature pH | Not determined Not determined A.47 |
| l) m) | Kinematic viscosity Solubility | Not determined Entirely soluble |
| n) | Partition coefficient n-octanol/water (log value) | Not determined |
| o) p) q) r) 9.2 | Vapour pressure Density and/or relative density Relative vapour density Particle characteristics Other information | Not determined 1.162 Not determined Not determined |
| 9.2.1 | Information with regard to physical hazard classes | s 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 |
| 10.4 | Conditions to avoid | conditions No special conditions to avoid. |
| | | Tripart Bloom contains elements that are strong oxidizers that can react with strong bases to give off ammonium. It can also |
| 10.5 | Incompatible materials | react with strong reducing agents. |
| 10.5 | Incompatible materials Hazardous decomposition products | |
| 10.6 11 | Hazardous decomposition products SECTION 11 Toxicological information | react with strong reducing agents. At very high temperatures, decomposition products are formed: phosphorous oxide, magnesium oxide, potassium oxide(s), carbon monoxide and sulfur oxide(s). |
| 10.6 11 11.1 | Hazardous decomposition products SECTION 11 Toxicological information Information on hazard classes as defined in Regu | react with strong reducing agents. At very high temperatures, decomposition products are formed: phosphorous oxide, magnesium oxide, potassium oxide(s), carbon monoxide and sulfur oxide(s). |
| 10.6 11 | Hazardous decomposition products SECTION 11 Toxicological information | react with strong reducing agents. At very high temperatures, decomposition products are formed: phosphorous oxide, magnesium oxide, potassium oxide(s), carbon monoxide and sulfur oxide(s). |
| 10.6 11 11.1 | Hazardous decomposition products SECTION 11 Toxicological information Information on hazard classes as defined in Regu | react with strong reducing agents. At very high temperatures, decomposition products are formed: phosphorous oxide, magnesium oxide, potassium oxide(s), carbon monoxide and sulfur oxide(s). |

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

| e) f) | Germ cell mutagenicity Carcinogenicity | No data available 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. 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 11.1.9 | Interactive effects Absence of specific data | No data available 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 | — I I II II II II | |
| | Endocrine disrupting properties | No data available |
| 12 | Endocrine disrupting properties | No data available |
| 12 12.1 | SECTION 12 Ecological information Toxicity | Not known risks. |
| | SECTION 12 Ecological information | Not known risks. Easily biodegradable by plants and soil. |
| 12.1 | SECTION 12 Ecological information Toxicity | Not known risks. |
| 12.1 12.2 | SECTION 12 Ecological information Toxicity Persistence and degradability | Not known risks. Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. The product is not expected to cause any effect on the environment if used properly according to the |
| 12.1 12.2 12.3 | SECTION 12 Ecological information Toxicity Persistence and degradability Bioaccumulative potential | Not known risks. Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. The product is not expected to cause any effect on the environment if used properly according to the recommendations. This product can be carried by groundwater seepage or surface |
| 12.1 12.2 12.3 12.4 | SECTION 12 Ecological information Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil | Not known risks. Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. The product is not expected to cause any effect on the environment if used properly according to the recommendations. This product can be carried by groundwater seepage or surface runoff because it is completely soluble. |
| 12.1 12.2 12.3 12.4 12.5 | SECTION 12 Ecological information Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil Results of PBT and vPvB assessment | Not known risks. Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. The product is not expected to cause any effect on the environment if used properly according to the recommendations. This product can be carried by groundwater seepage or surface runoff because it is completely soluble. No data available to date to the best of our knowledge |
| 12.1 12.2 12.3 12.4 12.5 12.6 | SECTION 12 Ecological information Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil Results of PBT and vPvB assessment Endocrine disrupting properties | Not known risks. Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. The product is not expected to cause any effect on the environment if used properly according to the recommendations. This product can be carried by groundwater seepage or surface runoff because it is completely soluble. No data available to date to the best of our knowledge No data available to date to the best of our knowledge |
| 12.1 12.2 12.3 12.4 12.5 12.6 12.7 | SECTION 12 Ecological information Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil Results of PBT and vPvB assessment Endocrine disrupting properties Other adverse effects | Not known risks. Easily biodegradable by plants and soil. The product does not show any bioaccumulation phenomena. The product is not expected to cause any effect on the environment if used properly according to the recommendations. This product can be carried by groundwater seepage or surface runoff because it is completely soluble. No data available to date to the best of our knowledge No data available to date to the best of our knowledge |

Э 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 SECTION 14 Transport information 14 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 Maritime transport in bulk according to IMO 14.7 Non applicable instruments 15 SECTION 15 Regulatory information

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

| 15.2 16 16.1 | Reg. 1272/2008/EC Reg. 830/2015/EC (REACH) Special risks Chemical safety assessment SECTION 16 Other information Abreviations and acronyms | The product does not contain substances that can be classified as carcinogenic. 1 or 2 according to Reg.1272/2008/EC and subsequent updates. Not applicable None to our knowledge. Evaluation not carried out ADR: European Agreement concerning the International |
|--------------------|---|--|
| 10.1 | | 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 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 Previous version date Version

Modified elements

16.4 Note

15/02/2023 03/01/2022 6 Update According to Regulation (EU) 2020/878; section 11, section 12

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.

16.2 Bibliographical references

Safety data sheet COMMISSION REGULATION (EU) 2020/878 of 18 June 2020

01/01/08 15/02/23 6



| 1 | SECTION 1 Identification of the substance/mixtu | re and of the company/undertaking |
|------------|--|---|
| 1.1 | Product identifier A. Trade name | TRIPART GROW |
| 10 | | |
| 1.2 | Relevant identified uses of the substance or mixt | ure 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 | |
| 1.4 | Company's name Address Phone number E-mail address | Terra Aquatica 4 Boulevard du Biopole, 32500 Fleurance +33 (0)5 62 06 08 30 info@terraaquatica.com |
| 1.4 | Emergency telephone number Medical / rescue services Fire and rescue Police EU emergency call line | 999 999 101 112 |
| | 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 2.2 | Classification of the substance or mixture Reg. 1272/2008/CLP Additional information Hazards for humans Environmental risks Physico-chemical hazards Other hazards Label elements In accordance with Reg. 1272/2008/CLP and its adaptations | None None None None |
| | Danger pictogram | |
| | Hazard Word Hazardous substances to be indicated on the label Hazard statement | None |
| | H27 Warning statement | 2 May intensify fire; oxidiser. |

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.

| 2.3 | Other hazards | None | |
|------------|--|---|--|
| 3 | SECTION 3 Composition/information on ingredients | | |
| 3.1 3.2 | Substances Mixtures | Non applicable 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 mo 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 | |

product.

possible.

In case of ingestion/aspiration

In case of inhalation

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.

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

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

irritation persists, consult a doctor.

| | 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 | 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: oxides of nitrogen oxides of sulfur oxides of phosphorus 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 | |
| | Protective actions to be taken when fighting fires | 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. |
| | 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 cleani | • • |
| 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 moped 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)

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 protectio | n |
|--|--|---|
| 8.1 | Control parameters | Not applicable Follow good industrial hygiene practices. |
| 8.2 8.2.1 | Exposure controls 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 9.1 | SECTION 9 Physical and chemical properties Information on basic physical and chemical prope | artiac |
| a) | Physical state | All Tripart Grow compounds are in aqueous solution. |
| b) c) d) e) f) | Colour Odour Melting point/freezing point Boiling point or initial boiling point and boiling range Flammability | Green No odor 1°C (30.2°F)/Not determined 101°C (213.8°F) Non inflammable |
| g) | Lower and upper explosion limit | Not applicable |
| h) i) j) k) l) m) n) p) q) r) | Flash point Auto-ignition temperature Decomposition temperature pH Kinematic viscosity Solubility Partition coefficient n-octanol/water (log value) Vapour pressure Density and/or relative density Relative vapour density Particle characteristics | Not determined Not determined 4.20 Not determined Entirely soluble Not determined 1.14 Not determined 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 10.4 | Possibility of hazardous reactions Conditions to avoid | No risk of dangerous reactions under normal use and storage conditions 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 11.1 | SECTION 11 Toxicological information | ation (EQ) No 1972/2009 |
| a) | Information on hazard classes as defined in Regul Acute toxicity | ation (EC) No 1272/2008 |
| - | 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) c) d) e) f) g) | Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity | No data available No data available No data available No data available No data available 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. 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 |

| | Interactive effects Absence of specific data | No data available 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 Product/ Ingredient | Not known risks. 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 13.1 | SECTION 13 Disposal considerations Waste treatment methods | Do not discharge into sewers or waterways. |
| 10.1 | | 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. |
| 14 | Waste List Code SECTION 14 Transport information | Follow the provisions of Directive 2008/98/EC on waste management. Recover the product as much as possible. Follow local legislation. Not determined |
| 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 | Non-hazardous transport |

| | ΟΑΟΙ/ΙΑΤΑ | |
|------|---|--|
| 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/leg | islation specific for the substance or mixture |
| 15.2 | Reg. 1272/2008/EC Reg. 830/2015/EC (REACH) Special risks Chemical safety assessment | The product does not contain substances that can be classified as carcinogenic. 1 or 2 according to Reg.1272/2008/EC and subsequent updates. Not applicable None to our knowledge. Evaluation not carried out |
| 16 | SECTION 16 Other information | |
| 16.1 | Abreviations 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 |
| 16.2 | Bibliographical references | PEL: Predicted Exposure Level PNEC: Predicted No Effect Concentration REACH: Regulation EC 1907/2006 vPvB: Very Persistent and Bioaccumulative according to REACH Regulation (EC) 1907/2006 of the European Parliament (REACH) |
| | | Regulation (EC) 1272/2008 of the European Parliament (CLP) |
| | | Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP) Regulation (EC) 453/2010 of the European Parliament Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP) INRS - Toxicological Data Sheet Patty - Industrial hygiene and toxicology ECHA website |

16.3 Changes from the previous version

New version date Previous version date Version Modified elements

16.4 Note

15/02/2023 07/12/2022

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Updated In accordance with Regulation (EU) 2020/878; 3.2; section 11 and 12 $\,$

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 : | |
|-----------------|--|
| Revision date : | |
| Version: | |

01/01/08 15/02/23 7



| 1 1.1 | 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 mix | ture 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 Address Phone number E-mail address | Terra Aquatica 4 Boulevard du Biopole, 32500 Fleurance +33 (0)5 62 06 08 30 <u>info@terraaquatica.com</u> |
| 1.4 | Emergency telephone number Medical / rescue services Fire and rescue Police EU emergency call line | 999 999 101 112 |
| | 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 2.2 | Classification of the substance or mixture Reg. 1272/2008/CLP Additional information Hazards for humans Environmental risks Physico-chemical hazards Other hazards Label elements In accordance with Reg. 1272/2008/CLP and its adaptations | None Yes, eye damage None None |
| | Danger pictogram | |
| | Hazard Word Hazardous substances to be indicated on the label Hazard statement | DANGER Nitric acid, ammonium and calcium salt. |
| | | 72 May intensify fire; oxidiser. 18 Causes serious eye damage. |
| | Warning statement | no ouuses senous eye unnage. |

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.

| 2.3 | Other hazards | None |
|------------|--|---|
| 3 | SECTION 3 Composition/information on ingredie | ents |
| 3.1 3.2 | Substances Mixtures | Non applicable 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 | >=10<=25% |
| | CAS NO. | 6484-52-2 |
| | Chemical Name | Calcium nitrate |
| | Concentration | >=5<=10% |
| | CAS NO. | 15245-12-2 |
| | Chemical Name | Potassium nitrate |
| | Concentration | >=1<=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 h | ave 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 | 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 | |
| | Protective actions to be taken when fighting fires | 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. |

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 Appropriate protective equipment 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 SECTION 6 Accidental release measures Personal precautions, protective equipment and emergency procedures 6.1

6

| 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 6.3.1 | Methods and material for containment and cleanin Containment method | n g up 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 moped 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 SECTION 7 Handling and storage | 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. |
| | Section / Humaning 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 8.2.1 | Exposure controls 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 proper | r ties All Tripart Micro Hard Water compounds are in aqueous |
| a) | Physical state | solution. |
| b) c) | Colour Odour | Dark Brown No odor |
| d) | Melting point/freezing point | 1.11°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) j) | Auto-ignition temperature Decomposition temperature | Not determined Not determined |
| k) | pH | 5.6 |

| l) m) | Kinematic viscosity Solubility | Not determined Entirely soluble |
|------------------------------------|---|---|
| n) | Partition coefficient n-octanol/water (log value) | Not determined |
| o) p) q) r) 9.2 | Vapour pressure Density and/or relative density Relative vapour density Particle characteristics Other information | Not determined 1.108 Not determined Not determined |
| 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 11.1 a) | SECTION 11 Toxicological information Information on hazard classes as defined in Regula Acute toxicity Product/ Ingredient Result/ Dose/ Species/ Exposure Product/ Ingredient (component) | ation (EC) No 1272/2008 Ammonium nitrate CSD 50 oral/ >2950mg/kg/ Rat/ Not applicable CSD 50 dermal/ >5000mg/kg/ Rat/ Not applicable 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) c) | Skin corrosion/irritation Serious eye damage/irritation Product/ Ingredient (component) | No data available Causes serious eye damage. Nitric acid, ammonium and calcium salt OECD 405 |
| | Result/ Dose/ Species/ Exposure | Eyes/ damage / Rabbit/ 24h-72h |
| d) e) f) g) | Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity | No data available No data available No data available 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 11.1.9 | Interactive effects Absence of specific data | No data available 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. |
| 12.3 | Bioaccumulative potential | The product does not show any bioaccumulation phenomena. 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 Maritime transport in bulk according to IMO 14.7 Non applicable instruments 15 **SECTION 15 Regulatory information** 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture The product does not contain substances that can be Reg. 1272/2008/EC classified as carcinogenic. 1 or 2 according 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** ADR: European Agreement concerning the International 16.1 Abreviations and acronyms 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 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 Previous version date Version

Modified elements

16.4 Note

15/02/2023 25/11/2022 7 Update According to Regulation (EU) 2020/878; section 11, section 12

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.

16.2 Bibliographical references

Safety data sheet COMMISSION REGULATION (EU) 2020/878 of 18 June 2020

| Creation date : |
|-----------------|
| Revision date : |
| Version: |

01/01/08 15/02/23 7



| Relevant identified uses of the substance or | 1 | SECTION 1 Identification of the substance/mixture and of the company/undertaking | |
|--|-----|--|--|
| Relevant identified uses of the substance or mixture TriPart Micro Soft Water is a blend of mineral salts form and mixed in proportions that ensure optimal nutritiplants. 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 Terra Aquatica Company's name Address Address Phone number E-mail address Terra Aquatica Phone number 4 Boulevand ub lipople, 32500 Fleurance Phone number 101 E-mail address 999 Police 999 Police 101 EU emergency call line 112 ORFILA Toxicological Information Center (INRS) (+) 33 01 45 41 59 59 Toxicological information center South West South West (+) 33 05 61 77 74 47 2.1 Classification of the substance or mixture Reg. 1272/2008/CLP None None Yes, eye damage Danger pictogram Yes, eye damage Danger pictogram Yes, eye damage None None None None | 1.1 | | TRIPART MICRO SOFT WATER |
| Relevant identified uses of the substance or and mixed in proportions that ensure optimal nutriti mixture and mixed in proportions that ensure optimal nutriti 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 Terra Aquatica Address 4 Boulevard du Biopole, 32500 Fleurance Phone number +33 (0)5 62 06 08 30 Fire and rescue 999 Police 101 EU emergency call line 112 ORFILA Toxicological information Center (+) 33 01 45 41 59 59 Toxicological information center South West C SECTION 2 Hazards identification 2.1 Casefitcation of the substance or mixture Reg. 1272/2008/CLP None Additional information None Physico-chemical hazards None Other hazards Danger pictogram Danger pictogram Ves. eye damage Name None Vibric acid, ammonium and calcium salt. | 1.2 | Relevant identified uses of the substance or mix | ture and uses advised against |
| UFI Code FUHU-JD9Y-DQ1-9KDW 1.3 Details of the supplier of the safety data sheet Terra Aquatica Address 4 Boulevard du Biopole, 32500 Fleurance Phone number +33 (0)5 62 06 08 30 Info@terraaquatica.com info@terraaquatica.com 1.4 Emergency telephone number Medical / rescue services 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 and its adaptations Physico-chemical hazards None Other hazards None Physico-chemical hazards None Danger pictogram Ves. eye damage Hazard Word Hazard Word Hazard Word DANGER Hazard Word Hazardous substances to be indicated | | | TriPart Micro Soft Water is a blend of mineral salts formulated and mixed in proportions that ensure optimal nutrition for plants. |
| 1.3 Details of the supplier of the safety data sheet Terra Aquatica Address 4 Boulevard du Biopole, 32500 Fleurance Phone number +33 (0)5 62 06 08 30 E-mail address info@iternaaquatica.com 1.4 Emergency telephone number Medical / rescue services 999 Police 101 EU emergency call line 112 ORFILA Toxicological Information Center (INRS) (+) 33 01 45 41 59 59 Toxicological information center 500th West 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 None Additional information None Physico-chemical hazards None Physico-chemical hazards None Physico-chemical hazards None Danger pictogram Ves, eye damage Hazard Word Jarzer Word Hazard Word DANGER Hazard Word DANGER Hazard Word DANGER Hazard Word DANGER Hazard Word DANGER< | | Uses advised against | Any use not specified in this section or in section 7.3 |
| Company's name Address Phone number E-mail address Phone number E-mail address Phone number Hedical / rescue services Police E-mail address Phone number Medical / rescue services Police E-mail address Medical / rescue services Police E-mail address Police Police ORFILA Toxicological Information Center (INRS) Toxicological information center South West C-TOX2 Hazard's identification E-mail address Physico-chemical hazard's Case Finvironmental risks Physico-chemical hazard's Danger pictogram Hazard Word Hazard Word Ha | | UFI Code | FUHU-JD9Y-DQ01-9KDW |
| Address4 Boulevard du Biopole, 32500 FleurancePhone number+33 (0)5 62 06 08 30E-mail addressinfo@terraaquatica.com1.4Emergency telephone numberMedical / rescue services999Police101EU emergency call line112ORFILA Toxicological Information Center (INRS)(+) 33 01 45 41 59 59Toxicological information centersouth WestSouth West(+) 33 05 61 77 74 472SECTION 2 Hazards identification2.1Classification of the substance or mixture Reg. 1272/2008/CLPAdditional informationNoneHazards for humansYes, eye damage NoneOther hazardsNoneOther hazardsNoneDanger pictogramDanger pictogramHazard Word Hazardous substances to be indicated on the labelDANGER Nitric acid, ammonium and calcium salt. | 1.3 | Details of the supplier of the safety data sheet | |
| 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 (+) 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 Hazards for humans Yes, eye damage Environmental risks None Physico-chemical hazards None Other hazards None Label elements In accordance with Reg. 1272/2008/CLP and its adaptations Danger pictogram Vers. Hazard Word DANGER Hazard Word Narger Hazard Word Narger Hazard Word Nitric acid, ammonium and calcium salt. | 14 | Address Phone number E-mail address | 4 Boulevard du Biopole, 32500 Fleurance +33 (0)5 62 06 08 30 |
| 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 Hazards for humans Environmental risks None Physico-chemical hazards None Other hazards None 2.1 Label elements In accordance with Reg. 1272/2008/CLP and its adaptations None Danger pictogram Ves. eye damage Hazard Word DANGER Hazard Word Mazardous substances to be indicated on the label DANGER | | Medical / rescue services Fire and rescue Police | 999 101 |
| 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 None In accordance with Reg. 1272/2008/CLP and its adaptations None Danger pictogram Ves Hazard Word Hazardous substances to be indicated on the label DANGER Nitric acid, ammonium and calcium salt. | | | |
| 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 Hazards for humans Yes, eye damage Environmental risks None Physico-chemical hazards None Other hazards None 2.2 Label elements In accordance with Reg. 1272/2008/CLP and its adaptations Version Danger pictogram Version Hazard Word DANGER Hazardous substances to be indicated on the label Nitric acid, ammonium and calcium salt. | | | · · · |
| 2.1 Classification of the substance or mixture Reg. 1272/2008/CLP None Additional information None Hazards for humans Yes, eye damage Environmental risks None Physico-chemical hazards None Other hazards None 2.2 Label elements In accordance with Reg. 1272/2008/CLP and its adaptations Verse of the substances to be indicated on the label Danger pictogram DANGER Hazard Word DANGER Hazardous substances to be indicated on the label Nitric acid, ammonium and calcium salt. | | South West | (+)33 05 61 77 74 47 |
| Reg. 1272/2008/CLP Additional information None Additional information Hazards for humans Yes, eye damage Environmental risks None Physico-chemical hazards None Other hazards None Other hazards None In accordance with Reg. 1272/2008/CLP and its adaptations Adaptations Danger pictogram Image: Pictogram Hazard Word DANGER Hazardous substances to be indicated on the label DANGER | | | |
| Danger pictogram Hazard Word Hazardous substances to be indicated on the label Danger pictogram DANGER Nitric acid, ammonium and calcium salt. | | Reg. 1272/2008/CLP Additional information Hazards for humans Environmental risks Physico-chemical hazards Other hazards Label elements In accordance with Reg. 1272/2008/CLP and its | Yes, eye damage None |
| Hazardous substances to be indicated Nitric acid, ammonium and calcium salt. | | | |
| | | Hazardous substances to be indicated on the label | |
| H272 May intensify fire; oxidiser. | | H2 | • • |
| H318 Causes serious eye damage. Warning statement | | | to 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.

| 2.3 | Other hazards | None |
|------------|---|---|
| 3 | SECTION 3 Composition/information on ingredients | |
| 3.1 3.2 | Substances Mixtures | Non applicable 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 | >=1<=5% |
| | CAS NO. | 6484-52-2 |
| | Chemical Name | Calcium nitrate |
| | Concentration | >=20<=30% |
| | CAS NO. | 15245-12-2 |
| | Chemical Name | Potassium nitrate |
| | Concentration | >=1<=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 | 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 | 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 | |
| | Protective actions to be taken when fighting fires | 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. |

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 cleanin | g 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 moped 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 SECTION 7 Handling and storage | 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. |
| | | Avoid formation of suspended particles and dispersion of the |
| 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 | n |
| 8.1 | Control parameters | Not applicable Follow good industrial hygiene practices. |
| 8.2 8.2.1 | Exposure controls 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 proper | rties All Tripart Micro Soft Water compounds are in aqueous |
| a) | Physical state | solution. |
| b) c) | Colour Odour | Dark Brown No odor |
| c) d) | Melting point/freezing point | 1.11°C (30°F)/Not determined |
| e) | Boiling point or initial boiling point and boiling | Not determined |
| f) | range Flammability | Non inflammable |
| g) | Lower and upper explosion limit | Not applicable |
| h) | Flash point | Not determined |
| i) j) | Auto-ignition temperature Decomposition temperature | Not determined Not determined |
|)) k) | pH | 5.8 |

| l) m) | Kinematic viscosity Solubility | Not determined Entirely soluble |
|------------------------------------|---|--|
| n) | Partition coefficient n-octanol/water (log value) | Not determined |
| o) p) q) r) 9.2 | Vapour pressure Density and/or relative density Relative vapour density Particle characteristics Other information | Not determined 1.25 Not determined Not determined |
| 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 10.3 | Chemical stability Possibility of hazardous reactions | 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. No risk of dangerous reactions under normal use and storage |
| 10.3 | Conditions to avoid | conditions 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 a) | Information on hazard classes as defined in Regula 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) c) | Skin corrosion/irritation Serious eye damage/irritation Product/ Ingredient (component) | No data available Causes serious eye damage. Nitric acid, ammonium and calcium salt OECD 405 |
| | Result/ Dose/ Species/ Exposure | Eyes/ damage / Rabbit/ 24h-72h |
| d) e) f) g) | Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity | No data available No data available No data available No data available |
| h) | STOT-single exposure | No data available |
| i) | | No data available |
| | STOT-repeated exposure | NO Uata 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 11.1.9 | Interactive effects Absence of specific data | No data available No data available |
| | Mixtures | No data available |
| 11.1.10 | Mixtures | |
| | 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 Product/ Ingredient | Not known risks. Ammonium nitrate |
| | - | Chronic NOEC 6 to 12 mg/L - Freshwater / Cladocera |
| | Result/ Dose/ Species/ Exposure | 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 13.1 | SECTION 13 Disposal considerations Waste treatment methods | Do not discharge into sewers or waterways. |
| 13.1 | waste treatment methods | |
| | | Waste: Waste management is carried out without endangering human health and without harming the environment, including |

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 | Not determined |
| 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

| 15.2 16 | Reg. 1272/2008/EC Reg. 830/2015/EC (REACH) Special risks Chemical safety assessment SECTION 16 Other information | The product does not contain substances that can be classified as carcinogenic. 1 or 2 according to Reg.1272/2008/EC and subsequent updates. Not applicable None to our knowledge. Evaluation not carried out |
|------------|--|--|
| 16.1 | Abreviations 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 Regulation (EC) 1907/2006 of the European Parliament (REACH) Regulation (EC) 1272/2008 of the European Parliament (CLP) Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP) Regulation (EC) 453/2010 of the European Parliament Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP) **INRS - Toxicological Data Sheet** Patty - Industrial hygiene and toxicology ECHA website

16.2 Bibliographical references

16.3 Changes from the previous version

| New version date |
|-----------------------|
| Previous version date |
| Version |
| |

Modified elements

16.4 Note

15/02/2023 06/12/2022 7 Update According to Regulation (EU) 2020/878; section 11, section 12

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.