

TROPICA WATER CONDITIONER	SAFETY DATA SHEET prepared in accordance with Article 31 of Regulation (EC) 1907/2006 (REACH) and Commission Regulation (EU) 2020/878			
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier.

Trade name: **TROPICA WATER CONDITIONER**

Substance: mixture

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

1.2.1. Relevant identified uses:

Aquarium water conditioner for tap water; removes active chlorine compounds and binds heavy metals.

1.2.2. Uses advised against

Other than the above.

1.3. Details of the supplier of the safety data sheet

Manufacturer

LMSC Spółka z ograniczoną odpowiedzialnością
ul. Piastowska 202, 42-202 Częstochowa, POLAND
NIP5732849134
e-mail: office@yokuchi.com

Supplier

Tropica Aquarium Plants A/S
Mejlbyvej 200, 8250-DK
CVR87371417
www.tropica.com

Competent person responsible for the safety data sheet

name: Marcin Kołodziejczyk

e-mail: marcin.kolodziejczyk@yokuchi.com

1.4. Emergency telephone number

European emergency number: 112

Manufacturer number: +48 535 321 355 (8:00am - 4:00pm CET)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

According to the Regulation (EC) No 1272/2008:

Product is not classified as hazardous

Physical hazards: None

Health hazards: None

Environmental hazards: None

2.2. Label elements

According to the Regulation (WE) 1272/2008:

Pictograms: Not applicable

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Signal word: Not applicable

Hazard statements: Not applicable

Precautionary statement: Not applicable

Additional labeling requirements: Not applicable

2.3. Other hazards

Product does not met PBT or vPvB criteria according to XIII of REACH regulation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product is a mixture. It does not contain hazardous components at levels higher then general/specific thresholds. It does not contain substances classified as PBT/vPvB,

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

The product poses no known health hazards. Seek medical advice if any adverse effects occurs.

Contamination of the skin:

Wash with water and soap, rinse thoroughly. In case of skin irritation get medical advice. Take off contaminated clothing and shoes.

Contamination of the eyes:

Flush contaminated eyes with wide-open eyelids a continuous, gentle stream of water for at least 10 minutes. Remove contact lenses if possible and continue rinsing. Get medical help immediately in case of persistent irritation or damage to eyes.

Inhalation: Provide fresh air. If feeling unwell get medical attention.

Ingestion: After ingestion rinse mouth with water, drink water. Get medical help in case of any health problems.

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

Acute symptoms

Inhalation: No data available

Skin contamination: No data available

Eye contamination: No data available

Ingestion: No data available

Delayed symptoms – No data available

Effects of exposure – No data available

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

Note to physician:

No specific antidote, treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

The selection of appropriate extinguishing agents should take into account the location of the fire and the type of materials involved.

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Unsuitable extinguishing media:

Not known.

5.2. Special hazards arising from the substance or mixture

None, product is water-based and not flammable.

5.3. Advice for firefighters

Apply the breathing apparatus and full protective clothing for firefighting.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency

For non-emergency personnel: Ensure adequate ventilation, especially in confined areas.

For emergency responders: No additional requirements.

6.2. Environmental precautions

No special requirements. Do not allow large amounts of the product to reach sewers, surface waters, ground waters, soil.

6.3. Methods and material for containment and cleaning up

Treat leakage with appropriate sorbent (sand, sawdust, diatomaceous earth, universal sorbent), collect into empty container, label it and allocate for disposal. Clean contaminated surface with water.

6.4. Reference to other sections

Personal protective equipment – section 8

Waste disposal – section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke in the workplace. Before breaks and after work wash hands. Ensure adequate ventilation. Avoid eyes and skin contamination. Do not inhale the spray.

Specific measures against fire and explosion.

No specific requirements.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry area in a tightly closed container. Keep away from children. Avoid contact with food, fodder.

7.3. Specific end use(s)

No information about uses other than those mentioned in subsection 1.2.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit Value:

Not applicable

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DNELs (Derived No Effect Levels) available for mixture components:

Not applicable								
Exposure route	Workers				General Population			
	Systemic Effects		Local Effects		Systemic Effects		Local Effects	
	Long-term	Acute	Long-term	Acute	Long-term	Acute	Long-term	Acute
Inhalation	-	-	-	-	-	-	-	-
Dermal	-	-	-	-	-	-	-	-
Oral	-	-	-	-	-	-	-	-
Eye	-	-	-	-	-	-	-	-

8.2. Exposure controls

Appropriate engineering controls

General, mechanical or passive ventilation.

Individual protection measures

Respiratory protection:

Not required under normal operating conditions.

Hand protection:

Protective gloves not really required, however recommend. All glove materials are suitable. Refer to glove supplier for information on breakthrough time for specific gloves.

Eye protection:

not required, recommended protective goggles.

Skin protection:

protective clothing Applied personal protective equipment must comply with the requirements of the Regulation 2016/425/EU. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

Protective equipment standards:

EN 140:2001 Respiratory protective devices – Half masks and quarter masks – Requirements, testing, marking.

EN 143:2004 Respiratory protective devices – Particle filters – Requirements, testing, marking.

EN 149+A1:2010 Respiratory protective devices – Filtering half masks to protect against particles – Requirements, testing, marking.

EN 14387+A1:2010 Respiratory protective devices – Gas filter(s) and combined filter(s) – Requirements, testing, marking.

EN 374-1:2017-01 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks.

EN 374-2:2015-04 Protective gloves against dangerous chemicals and micro-organisms – Part 2: Determination of penetration resistance.

EN 16523-1+A1:2018-11 Determination of material resistance to permeation by chemicals – Part 1: Permeation by potentially hazardous liquid chemicals under conditions of continuous contact.

EN 166:2005 Personal eye protection. Specifications.

EN 14605+A1:2010 Protective clothing against liquid chemicals – Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4]).

EN ISO 20344:2012 Personal protective equipment – Test methods for footwear

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Environmental exposure controls

No special recommendations

PNECs (Predicted No Effect Concentrations) for mixture components:

Not applicable

Environment compartment PNEC

Freshwater:	-
Intermittent releases (freshwater):	-
Marine water:	-
Intermittent releases (marine water):	-
Sewage treatment plant:	-
Sediment (freshwater):	-
Sediment (marine water):	-
Air:	-
Soil:	-
Hazard for Predators:	-

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	Light blue, clear
Odour	Very sligh,
Melting point/freezing point	aproxx. 0°C
Boiling point or initial boiling point and boiling range	aproxx. 100°C
Flammability	Not determined
Lower and upper explosion limit	Not flammable
Flash point	Not determined
Auto-ignition temperature	Not applicable
Decomposition temperature	Not determined
pH	>100°C
Kinematic viscosity	7.5-7.7
Solubility	~1 mPa*s at 20 °C
Partition coefficient n-octanol/water (log value)	Fully miscible with water
Vapour pressure	Not applicable
Density and/or relative density	Not determined
Relative vapour density	1.01g/cm ³ at 20 °C
Particle characteristics	Not determined

9.2. Other information

Information with regard to physical hazard classes

No additional data regarding physical hazards.

Other safety characteristics

No additional data.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Product as its state is not a reactive mixture in foreseeable conditions of storage and handling.

10.2. Chemical stability

Product is stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal handling.

10.4. Conditions to avoid

Do not allow water to evaporate.

10.5. Incompatible materials

Avoid contact with strong acids. Avoid contact with bases.

10.6. Hazardous decomposition products

Product does not decompose in normal conditions of storage and handling.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Product was not tested for health hazards. According to regulation 1272/2008 product is not classified as hazardous to health.

Acute toxicity:

Acute Oral Toxicity: product does not met criteria for classification.

Acute Dermal Toxicity: product does not met criteria for classification.

Acute Inhalation Toxicity:

product does met criteria for classification.

Skin corrosion/irritation:

based on available data, the classification criteria are not met.

Serious eye damage/irritation:

based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:

based on available data, the classification criteria are not met.

Germ cell mutagenicity:

based on available data, the classification criteria are not met.

Carcinogenicity:

based on available data, the classification criteria are not met.

Reproductive toxicity:

based on available data, the classification criteria are not met.

STOT-single exposure:

based on available data, the classification criteria are not met.

STOT-repeated exposure:

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based on available data, the classification criteria are not met.

Aspiration hazard:

based on available data, the classification criteria are not met.

11.2. Information on other hazards

No data

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product was not tested for environment hazards. According to regulation 1272/2008 product is not classified as hazardous to environment.

Based on available data classification criteria are not met – product is not classified as hazardous to aquatic environment

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No applicable.

12.6. Endocrine disrupting properties

No information available.

12.7. Other adverse effects:

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products:

Dispose of in accordance with valid regulations. Do not pour into drains. Store the mixture in its original container. Do not mix with other waste. The waste code should be assigned at the place of its production.

Disposing of the packaging:

Used product packaging is not hazardous packaging waste. Dispose of packaging waste in accordance with valid regulations. Do not mix with other waste. Dispose of packaging to an authorized firm.

SECTION 14: TRANSPORT INFORMATION

Not applicable, product is not classified as dangerous during road, sea, air transport.

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- 14.1. UN number or ID number** - not applicable
14.2. UN proper shipping name - not applicable
14.3. Transport hazard class(es) - not applicable
14.4. Packing group - not applicable
14.5. Environmental hazards - not applicable
14.6. Special precautions for user - not applicable
14.7. Maritime transport in bulk according to IMO instruments - not applicable

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives

Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

European agreement concerning international road transport of dangerous products (ADR)

15.2. Chemical safety assessment

Chemical safety assessment was not conducted for the product.

SECTION 16: OTHER INFORMATION

Explanation of abbreviations and acronyms used in safety data sheet

PBT Persistent, bioaccumulative and toxic.

PNEC Predicted No Effect Concentration

SVHC Substance of Very High Concern.

UFI Unique Formula Identifier.

vPvB very Persistent and very Bioaccumulative.

This SDS was prepared in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Classification of the product was based on the content of ingredients and according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008.

Training

Before handling with the product, the user should be familiar with the principles of health and safety regarding the handling of chemicals, and in particular undergo appropriate workplace training.

References to key literature and data sources

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The safety data sheet for this product has been create on the basis of a safety data sheets of product components, literature data, online databases and possessed knowledge and experience, taking into account the currently applicable to actual legislation.

Changes from the previous version of the safety data sheet:

The above information is based on currently available data characterizing the product as well as the experience and knowledge possessed by the manufacturer in this topic. It do not constitute a quality description of the product or promise of specific properties. It should be treated as an aid for safe handling during transport, storage and use of the product. This does not release the user from liability for incorrect use of the above information and from compliance with all legal regulations in this area.

END OF SAFETY DATA SHEET