

WaterMaze BioNutrient

Safety Data Sheet acc. to OSHA HCS (29 CFR 1910.1200)

Revision: June 16, 2015

Section 1 - Identification

Product Identifier (Trade Name): **BioNutrient**
Recommended Use: **Water Treatment**

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Section 2 - Hazards Identification

Classification: This product is not classified as hazardous according to the Globally Harmonized System (GHS)

Label Elements: This product is not classified as hazardous according to OSHA GHS regulations

Hazard Pictograms: Not Regulated

Signal word: Not Regulated

Hazard statements: Not Regulated

Precautionary statements: Not Regulated

Hazard description:

NFPA Ratings



Health = 0
Fire = 0
Reactivity = 0

HMIS Ratings

HEALTH	0
FIRE	0
REACTIVITY	0

Section 3 - Composition/Information on Ingredients

Chemical characterization: Mixture

Description: Mixture of non hazardous substances.

Dangerous components: None in reportable quantities

Section 4 - First-Aid Measures

General information: No special measures required.

Inhalation: Supply fresh air; consult doctor in case of complaints.

Skin contact: Brush off loose particles from skin. Immediately rinse with water. If skin irritation is experienced, consult a doctor.

Eye contact: Rinse opened eye for several minutes under running water. Remove contact lenses if worn, if possible.

Seek medical treatment in case of complaints.

Ingestion: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

Information for doctor:

Most important symptoms and effects, both acute and delayed:

Gastric or intestinal disorders when ingested.

Danger: No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

Section 5 - Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: None.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

Additional information: No further relevant information available.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Pick up mechanically. Dispose of collected material according to regulations.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 - Handling and Storage

Handling:

Precautions for safe handling: No special measures required.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility:

Store away from foodstuffs. Do not store together with acids.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

Specific end use(s): No further relevant information available.

Section 8 - Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: No further relevant information available .

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

Engineering controls: No further relevant information available.

Respiratory protection:

Not required under normal conditions of use.

For spills, respiratory protection may be advisable.

Protection of hands:

Gloves not required under normal conditions of use.

Protection may be required for spills.

Eye protection:



Safety glasses

Body protection: Not required for normal conditions of use.

Limitation and supervision of exposure into the environment: No special requirements.

Risk management measures: No special requirements.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance: Form: Powder Color: White w/ Blue specs

Odor: Characteristic

Odor threshold: Not determined

pH-value: Not applicable.

Change in condition

Melting point/Melting range: Undetermined

Boiling point/Boiling range: Undetermined

Flash point: Not applicable

Flammability (solid, gaseous): Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Auto igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined

Upper: Not determined

Vapor pressure: Not applicable

Density: Not determined **Relative density:** Not determined · **Vapour density:** Not applicable **Evaporation rate:** Not applicable

Solubility in / Miscibility with Water: Soluble

Partition coefficient (n-octanol/water): Not determined

Viscosity:

Dynamic: Not applicable

Kinematic: Not applicable

Other information: No further relevant information available.

Section 10 - Stability and Reactivity

Reactivity

Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

Section 11 - Toxicological Information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification: None.

Primary irritant effect: **Skin:** Based on available data, the classification criteria are not met.

Eye: Based on available data, the classification criteria are not met.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories:

NTP (National Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

Probable Routes of Exposure: Ingestion. Inhalation. Eye contact. Skin contact.

Repeated Dose Toxicity: No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

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

Aspiration hazard Based on available data, the classification criteria are not met.

Section 12 - Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Other adverse effects: No further relevant information available.

Section 13 - Disposal Considerations

Waste treatment methods

Recommendation:

Smaller quantities can be disposed of with household waste. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water only.

Section 14 - Transport Information

UN-Number

DOT, ADR, ADN, IMDG, IATA Not Regulated

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA Not Regulated

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA Not Regulated

Class

DOT, ADR, IMDG, IATA Not Regulated

Environmental hazards:

Marine pollutant: No

Special precautions for user Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

UN "Model Regulation": -

Section 15 - Regulatory Information

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

United States (USA)

SARA: Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California)

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

State Right to Know Listings: None of the ingredients is listed.

Canadian substance listings:

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients is listed.

Other regulations, limitations and prohibitive regulations: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16 - Other Information

All statements, information, and data provided in this SDS are believed to be accurate and reliable based on current information, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied, on our part, and shall not establish a legally valid contractual relationship. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. Nothing contained herein is intended as permission, inducement or recommendation to violate any laws or to practice any invention covered by existing patents.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent