

**Issuing Date** 21-November-2024

**Revision Date** 21-November-2024

**Revision Number** 1

## 1. Identification

### Product identifier

**Product Name** MuckBiotics Zero

### Other means of identification

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Treatment and reduction of muck

**Restrictions on use** For professional use only

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Naturalake Biosciences  
2310 Daniels St.  
Madison WI 53718  
USA  
1-888-757-9575

**E-mail** info@teamaquafix.com

**Emergency telephone number** Chemtrec 1-800-424-9300

## 2. Hazard(s) identification

### Classification

Acute toxicity – Inhalation (Dusts/Mists)

Category 4

### Label elements

#### **Warning**

#### **Hazard statements**

Harmful if inhaled.



#### **Precautionary Statements - Prevention**

Avoid breathing dust, fume, gas, mist, vapors, and spray. Use only outdoors or in a well-ventilated area.

#### **Precautionary Statements - Response**

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

**Unknown acute toxicity**

70 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Other information**

May be harmful in contact with skin

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry#)	Date HMIRA filed and date exemption granted (if applicable)
Proprietary blend	X	X	-	-

Any concentration shown as a range is to protect confidentiality or is due to batch variation.  
Occupational exposure limits, if available, are listed in Section 8.

**4. First-aid measures****Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

**Inhalation**

If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. If symptoms persist, call a physician.

**Eye contact**

Remove contact lenses, if present and easy to do. Rinse thoroughly with plenty of water, also under the eyelids.

**Skin contact**

Wash skin with soap and water.

**Ingestion**

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.

**Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protective equipment as required. See section 8 for more information.

**Most important symptoms and effects, both acute and delayed.****Symptoms.**

Coughing and/ or wheezing. Difficulty in breathing

**Effects of Exposure**

No information available

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

**5. Fire-fighting measures****Suitable extinguishing media.**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media.**

No information available.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

Sensitivity to mechanical impact None.

Mucronalizer static discharge None.

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**Special protective equipment and precautions for fire-fighters** ~~Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.~~  
Use personal protection equipment.

**6. Accidental release measures**

**Personal precautions, protective equipment, and emergency procedures**

**Personal precautions** Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid generation of dust. Ensure adequate ventilation. Do not eat, drink, or smoke when using this product.

**Conditions for safe storage, including any incompatibilities.**

**Storage Conditions** Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep out of the reach of children.

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure Limits** No information available

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink, or smoke when using this product.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

Appearance	Color
Physical state	Odor

Muck Biotics Zero  
Over the threshold

Tablet  
Solid  
Brown  
Earthy  
No information available

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<u>Property</u>	<u>Values</u>	<u>Remarks - Method</u>
pH	130° C / 266° F	No data available
Melting point/ freezing point		No data available
Initial boiling point and boiling range		No data available
Flash point		No data available
Evaporation rate		No data available
Flammability		
Flammability Limit in Air		No data available
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Vapor pressure		No data available
Vapor density	1.0 gr/cc	No data available
Relative density	Soluble	
Water solubility		No data available
Solubility(ies)		No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		
<b><u>Other information</u></b>		
Explosive properties	No information available.	
Oxidizing properties	No information available.	
Softening point	No information available	
Molecular weight	No information available	
VOC content	No information available	
Liquid density	No information available	
Bulk density	No information available	

## 10. Stability and reactivity

Reactivity	None under normal use conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions.	None under normal processing
Conditions to avoid.	Incompatible materials.
Incompatible materials	Strong acids, Strong bases, Alkali.

**Hazardous decomposition products** None known based on information supplied

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

Inhalation	Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	May be harmful in contact with skin.
Ingestion	Specific test data for the substance or mixture is not available.

**Properties related to the physical, chemical and toxicological characteristics.**

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**Symptoms**

Coughing and/ or wheezing.

**Acute toxicity**



**Numerical measures of toxicity** No information available

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (inhalation-dust/mist) 3.34 mg/l

**Unknown acute toxicity**

70 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information** No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure**

**Aspiration hazard**

No information available.

## 12. Ecological information

**Ecotoxicity** Not considered to be harmful to aquatic life. Large or frequent spills may have hazardous effects on the environment

Test species	Toxicity value type	Toxicity value	Toxicity value units	Exposure
<i>Ceriodaphnia dubia</i>	LC50	8909	mg/L	48 hours
<i>Pimephales promelas</i>	LC50	4299	mg/L	96 hours

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

**Other adverse effects** No information available.

## 13. Disposal considerations

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## 14. Transport information

DOT

IATA

TDG

IMDG

## 15. Regulatory information

Not regulated Not regulated  
 Not regulated Not regulated

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

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**

Contact supplier for inventory compliance status

\*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory, or are otherwise exempted from inventory listing requirements.

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product **does not** contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product **does not** contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, **does not** contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product **does not** contain any substances regulated under applicable state right-to-know regulations.

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

<b>NFPA</b>	<b>Health hazards</b> 2	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 2	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X

**Key or legend to abbreviations and acronyms used in the safety data sheet**

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

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U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Issuing Date** 08-June-2023

**Revision Date** 08-June-2023

**Revision Note** Initial Release.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**