

SAFETY DATA SHEET

Revision date: 03/21/2023

Version No: 1

Compliant with 29 CFR §1910.1200 HCS 2012

Compliant with HPR WHMIS 2015



MB Sludge Spikes

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	MB Sludge Spikes
Chemical Name.	Microbial preparation
Declared activity	Bacterial count
Use of the substance/preparation	Professional wastewater treatment
Supplier's Contact	Maryland Biochemical Company Inc 712 Tobacco Run Drive Bel Air, MD 21015 www.MarylandBiochemical.com
Information Telephone Number	1-800-771-7252 (work hours)
Emergency Telephone Number	1-800-424-9300 (Chemtrec) 24 hours every day

2. HAZARDS IDENTIFICATION

Classification

Classification of the chemical in accordance with 29CFR §1910.1200

WHMIS Classification

Skin sensitization

Category 1

Carcinogenicity

Category 1A

Label elements

Danger

Hazard statements

H317 - May cause an allergic skin reaction

H350 - May cause cancer

Precautionary Statements - Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water



Hazards not otherwise classified (HNOC)

Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
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Formaldehyde	50-00-0	0.1- < 1
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The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Skin Contact	Wash off immediately with soap and plenty of water
Inhalation	Move to fresh air
Ingestion	Clean mouth with water and afterwards drink plenty of water
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Slightly flammable according to HMIS criteria.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	None.
Hazardous Combustion Products	None.

Specific Hazards Arising from the Chemical May cause allergic respiratory reaction.

Protective Equipment and Precautions for Firefighters Self-contained breathing apparatus and standard turn-out apparel.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	For personal protection see section 8.
Environmental Precautions	None known.
Methods for cleaning up	Avoid formation of dust and aerosols. Spilled preparation should be removed immediately to avoid formation of dust from dried preparation. Take up by mechanical means preferably by a vacuum cleaner equipped with a HEPA (High Efficiency Particulate Air) filter. Flush remainder carefully with plenty of water. Avoid splashing, high pressure washing or compressed air cleaning to avoid formation of aerosols. Ensure sufficient ventilation. Wash contaminated clothing.
Other Information	For personal protection see section 8.

7. HANDLING AND STORAGE

Handling	Avoid formation of dust and aerosols. Ensure adequate ventilation
Storage Temperature Storage Conditions	Keep tightly closed in a dry and cool place. 0-20 °C (32-68 °F).

In unbroken packaging - dry and protect from the sun. The product has been formulated for optimal stability. Extended storage or adverse conditions such as higher temperatures or higher humidity may lead to a higher dosage requirement.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Derived No Effect Level (DNEL)
Derived Minimal Effect Level (DMEL)

Occupational exposure controls
Engineering Controls

Ensure adequate ventilation, especially in confined areas
Maintain good conditions of industrial hygiene. Some processes may require enclosures, local exhaust ventilation, or other engineering controls to control airborne levels. Additional handling and healthy/safety information is available upon request

Personal Protective Equipment
Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment that meets HEPA/P100 specifications

Eye Protection
Skin and body protection
General Hygiene Considerations
Environmental exposure controls

Wear safety glasses with side shields (or goggles)
No special technical protective measures are necessary
Handle in accordance with good industrial hygiene and safety practice
Local authorities should be advised if significant spillages cannot be contained

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	No information available
Color	Light brown
Odor	Slight fermentation odor
Odor threshold	No information available
Boiling Point/Range	No information available
Melting Point/Range	No information available
Flash Point	No information available
Freezing point 1	No information available
Flammability (solid, gas)	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available
Autoignition temperature	No information available
Vapor Pressure	No information available
Decomposition temperature	No information available
Vapor Density	No information available
Density (g/ml)	1
Evaporation rate	No information available
Solubility	Miscible
Partition Coefficient (n-octanol/water)	No information available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions

Conditions to Avoid
None

Materials to avoid

None

Hazardous Decomposition Products
 None

Possibility of hazardous reactions
 None

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhalation
 Inhalation of dust in high concentration may cause irritation of respiratory system

Eye contact
 Dust contact with the eyes can lead to mechanical irritation

Chemical name	Acute oral toxicity	Acute inhalation toxicity	Skin corrosion/irritation	Serious eye damage/eye irritation
Formaldehyde	LD50: > 2000 mg/kg bw (OECD TG 401, 420)		Not irritating (OECD TG 404)	Not irritating (OECD TG 405)

Chemical name	Specific target organ toxicity (single exposure)	Genetic toxicity	Skin sensitization	Respiratory sensitization
Formaldehyde				Sensitizer (Human experience)

Carcinogenicity

The product contains calcium carbonate, limestone. The raw material may contain trace amounts of crystalline silica also known as quartz. Quartz is a suspected carcinogen if inhaled. This product has been formulated to prevent dust formulation.

12. ECOLOGICAL INFORMATION

Toxicity

Contains no hazardous ingredients according to GHS

Chemical name	Daphnia, acute	Algae, acute	Fish, acute
Formaldehyde	EC50 (48 hours): 31.7 - 457 mg aep/l (OECD TG 202)	ErC50 (72 hours): >= 5.2 mg aep/l (OECD TG 201)	LC50 (96 hours): 58.3 - 326.7 mg aep/l (OECD TG 203)

Persistence/Degradability

Inherently biodegradable

Chemical name	Persistence and degradability	Partition coefficient (n-octanol/water)
Formaldehyde	Readily biodegradable (OECD 301)	LogPow: <0

Bioaccumulative Potential

Bioaccumulation is unlikely

Chemical name	Bioaccumulative Potential
Formaldehyde	Does not bioaccumulate

Mobility in soil

Not relevant

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Disposal of wastes
Dispose of in accordance with local regulations.

Contaminated Packaging
Dispose of wastes in an approved waste disposal facility.

14. TRANSPORT INFORMATION

Transport Regulations
No dangerous goods according to transport regulations
No special precautions required

Transport hazard class(es)
not applicable

Packing group
not applicable

Environmental hazards
not applicable

15. REGULATORY INFORMATION

USA, Federal Regulations

TSCA Inventory

All ingredients are listed on TSCA inventory

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 40 CFR Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

USA, State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

Canada

Chemical name	NPRI
Formaldehyde	Part 1, Group A Substance; Part 5, Individual Substances Part 4 Substance (as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999)

DSL/NDSL

Complies

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by WHMIS 2015.

16. OTHER INFORMATION

Training advice

Contact Maryland Biochemical's Customer Support Center.

GHS-Classification

The GHS calculation method has been used for classification of this mixture.

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text. Furthermore, as the conditions of use are beyond the control of Maryland Biochemical, it is the responsibility of the customer to determine the conditions of safe use of these products.

End of Safety Data Sheet

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