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HYDROBLASTERS - HYDROKLEEN - HYDROPAD

www.hydroblaster.com

Safety Data Sheet

Section 1. Identification

Product identifier Hydro-Biodigesters
Other means of identification HBD-1, HBD-110
Product Description HBD Hydro-Biodigesters Waste Formula, Dry Powder
Recommended use Not available.
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Supplier

Company name Hydro Engineering, Inc.
Address 865 W 2600 S
 Salt Lake City, UT 84119
Telephone 800-247-8424
Website <http://www.hydroblaster.com>
Emergency phone number Chemtrec Within US & Canada: 800-424-9300

Section 2. Hazard(s) identification

Eyes May cause irritation
Skin May cause slight irritation
Inhalation Inhalation of dust in high concentrations may cause irritation of respiratory system
Ingestion Non-toxic by ingestion
Physical and Chemical Hazards Possible explosive dust hazard typical of fine-powder organic substances.

Section 3. Composition/information on ingredients

Description: Powdered Microbial-Cultures and Enzymes

Chemical Name	CAS No.	% Composition	OSHA – PEL	ACGIH – TLV-TWA
Whey (as nuisance dust, Total)	92129-90-3	>90%	15mg/m3	10mg/m3
Hydrated Silicon Dioxide (as nuisance dust, Total)	7631-86-9	<1%	15mg/m3	10mg/m3
Freeze-dried microbial cultures and enzymes		Trade Secret	Not Listed	Not Listed

Exact percentages of ingredients, microbial species, and enzyme types are withheld in order to protect trade secrets.

Section 4. First-aid measures

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes. If irritation persists, consult a physician.
Skin contact Wash off immediately with plenty of water. If irritation persists, consult a physician.
Inhalation If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritations or distress continues.
Ingestion Clean mouth with water and afterwards drink plenty of water. If symptoms persist, call a physician.
Notes to Physician Treat symptomatically.

Section 5. Fire-fighting measures

Flammable properties	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Suitable extinguishing methods	Use water-spray, fog, carbon-dioxide, foam, or dry chemical
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus with pressure demand and full protective gear.

Section 6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures	Avoid contact with skin and eyes
Methods for containment	Prevent dust cloud
Methods for cleanup	Sweep or scoop into suitable container for disposal. Avoid dust formation. After product recovery, flush area with water.

Section 7. Handling and storage

Precautions for safe handling	Avoid inhalation, ingestion, and contact with skin and eyes.
Conditions for safe storage, including any incompatibilities.	Store in original container. Keep container tightly closed. Check the Product Description for storage temperature.
Technical Measures/Precautions	This product may present a dust explosive hazard, minimize dust generation and accumulation.

Section 8. Exposure controls/personal protection

Exposure Guidelines	OSHA PEL 15mg/m3 ACGIH TLV 10mg/m3
Occupational Exposure Controls	
Engineering Measures	Ensure adequate ventilation. Local exhaust ventilation of dust at the point of generation.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practices.
Personal Protective Equipment (PPE)	
Eye/Face Protection	Tightly fitting safety goggles
Skin and Body Protection	Wear protective gloves/clothing
Respiratory Protection	No protective equipment needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation, appropriate respirator, or evacuation may be required.

Section 9. Physical and chemical properties

Appearance	Off-white to tan	Odor	Dairy/fermentation product
Physical State	Powdered Solid	pH	5.5-6.5 (10% solution)
Melting/Freezing Point	Unknown	Boiling Point/Range	Unknown
Flash Point	Unknown	Evaporation Rate	Unknown
Flammability	Must be preheated	Explosion Limits	Unknown
Vapor Pressure	Unknown	Density	0.80g/cm3, tapped
Water Solubility	Very Soluble	Autoignition Temperature	Unknown
Decomposition Temperature	Unknown		

Section 10. Stability and reactivity

Reactivity	Avoid contact with strong oxidizers
Chemical Stability	Stable
Hazardous Polymerization	Will not occur
Hazardous Decomposition	Combustion results in carbon monoxide and carbon dioxide
Conditions to Avoid	Avoid dust formation, heat, flames, and sparks

Section 11. Toxicological information

Acute Toxicity

Oral	None Known
Dermal	None Known
Inhalation	No data available

Irritation

Eye	Dust contact with the eyes can lead to mechanical irritation
Skin	Prolonged or repeated contact may dry skin or cause irritation.
Respiratory	Inhalation of dust in high concentrations may cause irritation of the respiratory system.

Ingestion

May cause temporary gastrointestinal discomfort

Sensitization

May cause sensitization of susceptible persons.

Effects of Short and Long-Term Exposure

No data available

Symptoms of Exposure

Possible irritation to eyes, skin, or respiratory system

NTP Report on Carcinogens / IARC Monographs

Not Listed

Potential OSHA Carcinogen

Not Listed

Section 12. Ecological information

Persistence and Degradability	No data available; readily biodegradable components and viable microorganisms
Ecotoxicological Information	No data available
Adverse effects	None Expected

Section 13. Disposal considerations

This material is not considered hazardous wastes according to Federal regulations (40-CFR-261). Consult local, regional, or state regulations for additional requirements.

Section 14. Transport information

Not classified as dangerous with respect to transport regulations

Section 15. Regulatory information

Hazard Rating

HMIS							
Health		Flammability		Reactivity		PPE	
2	Temporary or minor injury may occur	1	Must be preheated before ignition will occur.	0	Normally stable	E	Safety Glasses Gloves Dust Respirator

U.S. Federal Regulations

Chemical Name	SARA 313 – Threshold Values	CERCLA/SARA – Section 302 Extremely Hazardous
Freeze-dried Microbial Mixture	Not Listed	Not Listed

U.S. State Regulations

California – This product does not contain any Proposition 65 Chemicals

Section 16. Other information, including date of preparation or last revision

Issue date 27-September-2002

Revision date 09-December-20

Disclaimer

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