GPS MX

Global Project Solution de México

BIODEX

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La tecnología innovadora de Biodex. Resulta un quelato inorgánico muy potente a partir de un acido detoxificado exclusivo.
La adición de este poderoso quelato inorgánico permite que el cobre se mantenga en contacto con las bacterias, algas y microorganismos durante largos periodos de tiempo con menos de 1 ppm.

El contacto prolongado del cobre y con las bacterias anaeróbicas, permite inhibirlas, impidiendo la producción de unidades de olor y de gases amoniacales.

Este contacto continuo de cobre quilatado sobre las bacterias aeróbicas y anaeróbicas influirá sobre las bacterias facultativas que cambiaran sus funciones de anaeróbicas a aeróbicas, acelerando así la actividad de la licuefacción del depósito a tratar.

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Otra característica de este potente quelato consiste en el hecho de mantener los iones de cobre y los sólidos con su carga electro-magnética, lo que genera la licuefacción continua de la materia, evitando la formación de lodos y sedimentos.

Gracias a Biodex, el ácido producido por un reactor especial, tiene propiedades eléctricas y químicas que pueden reaccionar con elementos complejos dentro de los desechos la reacción química desprende los sólidos del fondo de la laguna o fosa y las mantiene en suspensión. Este proceso, homogeneíza el contenido de la fosa y facilita la digestión de los sólidos.

BIODEX-ENVIR EAU, aumenta la actividad de las bacterias responsables de la licuefacción, además el potente quelato exclusivo de ENVIR EAU TECHNOLOGY estimula mucho más la licuefacción, suspendiendo uniformemente los sólidos a través del liquido, esta actividad exclusiva elimina la necesidad de vaciar los sólidos acumulados en el fondo del deposito, permitiendo así una economía bastante significativa.

BIODEX-ENVIR EAU previene los daños en la infraestructura causados por la acumulación de gases, inhibiendo las bacterias responsables de la producción de estos.

Finalmente BIODEX-ENVIR EAU mejora la calidad del efluente, reduciendo el nivel de coliformes fecales y la carga de DBO a un punto donde se le puede considerar inofensivo, estando muy por debajo de las normas existentes.

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EnvirEau TECHNOLOGIES®

"pure protection"

BIODEX BACTERIA REGULATOR MATERIAL SAFETY DATA SHEET

Section 1: Product Information

Product name:	***BIODEX*** Bacteria Regulator
PCP Number:	27768
Supplier/manufacturer:	Canada
Phone number:	(55) 6307.8990
Product use:	A bacteriostatic algaecide to control algae and anaerobic bacteria in potable water.

Section 2: Hazard Identification

Emergency Overview	Caution-Poison. Keep out of reach of children. Avoid contact with skin, eyes and clothing. Avoid breathing spray mist or vapors. Causes irritation to eyes. May cause skin irritation. Harmful if swallowed or inhaled. Unless diluted to the correct concentration, this product is toxic to fish, aquatic invertebrates and some aquatic plants.
Potential Health Effects (see toxicological information)	Eyes: This product may cause eye irritation. Skin: Prolonged or repeated exposure may cause skin irritation. Ingestion: Swallowing this product may cause copper toxicity or sulfur allergies. Inhalation: Excessive exposure may cause irritation and/or allergies in the respiratory tract.

Section 3: Composition/Information on Ingredients

Hazardous components (Specific chemical identity)	5% - 5.4% Cu++ Ionic Copper (active ingredient) CAS# 7440-50-8, present as copper sulphate pentahydrate CAS # 7758-99-8. Proprietary hydrophilic aqua ion stabilizer 95% (includes a mixture of 3.1% sulphuric acid, stabilizers, buffering agents, sequestering agents, dispersing agents and water.

Section 4: First-Aid Measures

Eye:	Flush immediately with water for 15 minutes
Skin:	Wash with soap and water, remove and wash contaminated clothing.
Inhalation:	Provide fresh air.
Ingestion:	Treat as sulfur base.

Section 5: Fire and Explosion Hazard Data

Flammability: Yes/No	No	
Condition of flammability:	Not applicable	
Flash point (C/F) = method:	Not applicable	
Upper flammable limit (% by volume):	Not applicable	
Lower flammable limit (% by volume):	Not applicable	
Auto-ignition temperature:	Not applicable	
Extinguishing media:	Not applicable	
Dioxide: N/A	Dry chemical: N/A	Other: N/A
Hazardous combustion products:	Not applicable	
Explosion data:	Not applicable	
Sensitivity to impact or static discharge	None	

Section 6: Accidental Release Measures

Steps to be taken in the event of spill or release:	Notify applicable Government Authority if spill is significant. Contain spill. Prevent entry into water intakes, sewers and waterways. Flush with water into retaining area or container and dilute with water. Neutralize with sodium bicarbonate or lime.

Section 7: Handling and Storage

Disposal method:	Neutralize with sodium bicarbonate or lime and dispose of as fertilizer. Disposal may be subject to local regulation.
Special protection information:	Provide adequate ventilation
Respiratory protection:	Provide adequate ventilation
Eye protection:	Wear chemical resistant goggles
Other protective equipment:	Use protective clothing
Handling procedure & storage requirements:	Avoid storing in excessive heat; expansion of container may occur creating spillage. Do not freeze

Section 8: Special Handling and Storage Requirements

Precautions-Handling/Storing:	Store in covered area. Do not allow the product to freeze. Protect containment from physical damage. Store in well ventilated area. Use protective clothing & goggles.

Section 12: Ecological Information

Biological Degradation	Methods for determination not applicable to inorganic substances
High Toxicity for Aquatic Organisms	
Fish Toxicity	Salmon LC 50: 0.025 – 0.20 mg per litre/96 hours.
Daphnia Toxicity	Daphnia sp. LC 50: 0.08 mg per litre/96 hours
Algal Toxicity:	Sc. basilensis inhibitory concentration 0.20 mg per litre
Fungicidal effect	Do not allow to enter water, wastewater or soil except as allowed by local and national regulations.

Section 13: Disposal Considerations

Use for approved uses	**May be subject to local regulations**
Use as fertilizer or add to organic waste	**May be neutralized with sodium bicarbonate or lime**

Section 14: Transportation

Transportation of Dangerous Good Act Classification #	Primary: 3264;
Packing Group:	III
Product Shipping Name	Corrosive Liquid, Acidic, Inorganic, N.O.S.
Class	8
Marine Pollutant	Yes

Section 15: Regulatory Information

Maximum Use Level	Maximum use level will vary according to application. Refer to product label.

MUCHAS GRACIAS POR SU ATENCION.

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