



Bio-Regen HC Clear

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 05/01/2021

Supersedes: 06/01/2017

Version: 1.0 Format: GHS Language: English (US)

SECTION 1: Identification

Product Identifier

Product Name Bio-Regen HC Clear

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Surface/Soil Cleaner & Remediation Agent

Details of the Supplier of the Safety Data Sheet

Manufacturer 3 Tier Technologies, LLC
413 W. 13th St
Sanford, Florida 32771

Telephone (General) 877-226-7498

Emergency Telephone Number

Manufacturer 407-808-4653

SECTION 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the Substance or Mixture

OSHA HCS 2012 Ingredients not precisely identified are proprietary or non-hazardous.

Label elements

OSHA HCS 2012 **WARNING**



Hazard Statements None

Precautionary Statements None

Prevention Wash thoroughly after handling. –P264 Wear face protection. –P280

Response Call a poison control center or doctor/physician if you feel unwell. –P312 If on skin: Wash with plenty of soap and water. –P302+P352 Rinse skin with water/shower. –P353 If skin irritation occurs, get medical advice/attention. –P332+P313

Storage/Disposal Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. –P501

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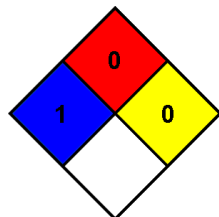
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Other Hazards

OSHA HCS 2012

Other Information



NFPA

SECTION 3: Composition/Information on Ingredients

Substances Material does not meet the criteria of a substance.

Mixtures

Components	Identifiers	%(weight)	Comments
EDTA-tetrasodium salt	CAS # 64-02-8	1-4%	NDA
2-Butoxyethanol	CAS # 111-76-2	3-5%	NDA
Nonionic surfactant	Proprietary	2-5%	NDA
1,2-Benzisothiazolin-3-one	CAS # 2634-33-5	0.5-1.0	NDA
Naturally-Occurring Viable Bacterial Cultures			
Proprietary blend of solubilizing agents/coupling agents	Proprietary	5-10%	NDA
Filtered Water (H2O)- technical	CAS# 7732-18-5	40-94%	NDA

See Section 11 for Toxicology Information

SECTION 4: First aid measures

Description of First Aid Measures

Inhalation Move victim to fresh air. If symptoms persist, call a physician.

Skin Flush with water. Wash with soap and water. Call a physician if irritation persists.

Eye Immediately flush with water for 15 minutes. Remove contact lenses, if applicable, and continue rinsing with water. Call a physician if irritation persists.

Ingestion Do not induce vomiting. Rinse mouth with water. Call a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.

Most Important Symptoms and Effects, Both Acute and Delayed

Refer to Section 11: Toxicological Information.

Indication of Any Medical Attention and Special Treatment Needed

Notes to Physician

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All treatments should be based on observed signs and symptoms of distress in patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

See Section 2 for Potential Health Effects

SECTION 5: Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media Water and foam are suitable.

Unsuitable Extinguishing Media Not applicable.

Special Hazards Arising From the Substance or Mixture

Unusual Fire and Explosion Hazards Not applicable.

Hazardous Combustion Products May include and are not limited to oxides of carbon.

Advice for Firefighters No special firefighting equipment is needed; however, self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Store in safe place. Wear rubber gloves for prolonged exposure. Wash material off skin with plenty of soap and water. Wash clothing and footwear before reuse. Always wash hands thoroughly after use.

Emergency Procedures Not applicable.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

Containment/Clean-Up Measures Before attempting to clean-up, refer to hazard data. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers and waterways. Contact emergency services and supplier for advice.

SECTION 7: Handling and Storage

Precautions for Safe Handling

Handling Use rubber gloves for prolonged exposure. Safety goggles are recommended.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Keep out of reach of children. Store in a closed container away from incompatible materials.

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Incompatible Materials or Ignition Sources Strong oxidizing agents, acids.

SECTION 8: Exposure Controls/Personal Protection

Control Parameters

Exposure Controls

Engineering Measures/Controls None specified.

Personal Protective Equipment



Pictograms

Respiratory MSHA-NIOSH approved. No special precautions required.

Eye/Face Protective eye goggles are recommended.

Hands Wear rubber gloves for prolonged exposure; rinse completely from skin after contact.

Skin/Body No special precautions required; rinse completely from skin after contact.

General Industrial Hygiene Considerations None specified.

Environmental Exposure Controls None specified.

SECTION 9: Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance - Description	Clear liquid with a mild odor
Color	Brown/Black	Odor	Mild
Taste	Data Lacking	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Data Lacking	Physical and Chemical Properties	Data Lacking
General Properties			
Boiling Point	100 C	Melting Point	Data Lacking
Decomposition Temperature	Data Lacking	Heat of Decomposition	Data Lacking
pH	12.0 – 12.5	Specific Gravity/Relative Density	1.0 – 1.1
Density	Data Lacking	Bulk Density	Data Lacking
Water Solubility	Soluble	Solvent Solubility	Not relevant
Viscosity	Similar to water.	Explosive Properties	Classification criteria not met.
Oxidizing Properties	Classification criteria not met.		
Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant

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Evaporation Rate	Data Lacking	VOC (Wt.)	Data Lacking
VOC (Vol.)	Data Lacking	Volatiles (Wt.)	Data Lacking
Volatiles (Vol.)	Data Lacking		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Self-Accelerating Decomposition Temperature (SADT)	Not relevant	Heat of Combustion	Not relevant
Burning Time	Not relevant	Flame Duration	Not relevant
Flame Height	Not relevant	Flame Extension	Not relevant
Ignition Distance	Not relevant	Flammability (solid, gas)	Non-flammable
Environmental			
Half-Life	Data Lacking	Octanol/Water Partition Coefficient	Data Lacking
Coefficient of Water/Oil Distribution	Data Lacking	Bioaccumulation Factor	Data Lacking
Bioconcentration Factor	Data Lacking	Biochemical Oxygen Demand BOD/BOD5	Data Lacking
Chemical Oxygen Demand	Data Lacking	Persistence	Data Lacking
Degradation	Data Lacking		

SECTION 10: Stability and Reactivity

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical Stability	Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions	Not available.
Conditions to Avoid	None.
Incompatible Materials	Strong oxidizing agents, acids.
Hazardous Decomposition Products	May include and are not limited to oxides of carbon, when heated to decomposition.

SECTION 11: Toxicological Information

GHS Properties	Classification
Acute Toxicity	OSHA HCS 2012 Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 Classification criteria not met
Carcinogenicity	OSHA HCS 2012 Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 Classification criteria not met
Respiratory Sensitization	OSHA HCS 2012 Classification criteria not met
Serious Eye Damage/Irritation	OSHA HCS 2012 Mild Irritant Cat. 2, Subcat. 2A
Skin Corrosion/Irritation	OSHA HCS 2012 Classification criteria not met
Skin Sensitization	OSHA HCS 2012 Mild Skin Irritation Category 3
STOT-RE	OSHA HCS 2012 Category 2
STOT-SE	OSHA HCS 2012 Category 3
Toxicity for Reproduction	OSHA HCS 2012 Classification criteria not met

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Information of Toxicological Effects

Target Organs None

Route(s) of Entry/Exposure

Potential Health Effects

Inhalation

Acute (Immediate) Can cause nose, throat, and respiratory tract irritation.

Chronic (Delayed) No data available.

Skin

Acute (Immediate) Contact can cause irritation.

Chronic (Delayed) Prolonged or repeated exposure can cause drying, defatting, and dermatitis.

Eye

Acute (Immediate) Contact can cause irritation.

Chronic (Delayed) No data available.

Ingestion

Acute (Immediate) Harmful if swallowed. May cause stomach distress and other medical problems.

Chronic (Delayed) No data available.

SECTION 12: Ecological information

Toxicity Material data lacking

Persistence and Degradability Material data lacking.

Bioaccumulative Potential Material data lacking.

Mobility in Soil Material data lacking.

Other Adverse Effects No studies have been found.

Other Information No data is available on the adverse effects of this material on the environment.

SECTION 13: Disposal Considerations

Waste Treatment Methods

Product Waste Dispose of content in accordance with local, regional, national, and/or international regulations.

Packaging Waste Dispose of container in accordance with local, regional, national, and/or international regulations.

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SECTION 14: Transport Information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(es)	14.4 Packing Group	14.5 Environmental Hazards
DOT	Not applicable	(N.O.I.) Non Hazardous	Not applicable	Not applicable	Not applicable
TDG	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IMO/IMDG	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IATA/ICAO	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Special Precautions for User None specified.

Transport in Bulk According to

Annex II of MARPOL 73/78

The IBC Code None specified.

SECTION 15: Regulatory information

US Federal Regulations

All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory.

International Regulations

No additional information available.

California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

SECTION 16: Other information

Disclaimer/Statement of Liability

The information for this safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual products use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of Federal, State, Provincial, or local laws. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries, or consequential damages which may result from the use of or reliance on any information contained in this form.