



SAFETY DATA SHEET

MicroBlock™

Bioaugmentation Product

SECTION I - IDENTIFICATION

Trade Name:	MicroBlock™ or MicroBlocks™
Chemical Family:	Bacterial Mixture
Common use: Wastewater applications, Lift Stations, Grease Traps and Remediation	
Supplied by: Environmental Leverage® Inc.	
812 Dogwood Dr. Suite A, North Aurora, IL 60542	
Phone: 630-906-9791 Fax: 630-906-9792	
www.EnvironmentalLeverage.com	
Emergency Phone: 630-906-9791 8am-5pm CST	

SECTION II - HAZARDOUS / IDENTITY INFORMATION

Non-hazardous. Bacterial Cultures/Enzymes. Product formulation consists of a range of naturally occurring microorganisms which are known to be non-pathogenic to humans, livestock, and agricultural crops. Bacterial cultures in a Natural Base.

INGREDIENT	C.A.S.#	OSHA PEL/TLV	ACGIH TLV	STEL	OTHER LIMITS
Sodium Sulfate	007757-82-6	15 mg/m3	10mg/m3	N/K	N/K

HAZARDOUS COMPONENTS

Ingredients not precisely identified are proprietary or non-hazardous. N/K=None Known - GHS Classification- Not Classified

SECTION III - COMPOSITION

Boiling Point	N/A	Specific Gravity (H ₂ O= 1)	N/A
Vapor Pressure (mm H/g)	N/A	Melting Point	N/A
Vapor Density (Air= 1)	N/A	Evaporation Rate (Butyl Acetate= 1)	N/A
Solubility in Water: Moderate, slow dissolve-disperses in water			
Appearance and Odor: Solid – Bright Green in color - Slight Musty			

SECTION IV – FIRST AID

EMERGENCY AND FIRST AID PROCEDURES:

PRIMARY ROUTES OR ENTRY _____ Inhalation X Skin contact _____ Eye contact _____ Ingestion _____

Swallowing: Get medical attention if allergic symptoms develop (observe for 48 hours). Never give anything by mouth to an unconscious or convulsing person. Get medical attention. May lead to nausea or diarrhea. Give two glasses water to dilute product. Do not induce vomiting. Contact Physician.

Recommended Precautions: Store in safe place and keep in plastic wrap. Wear approved respiratory protection if needed.

Skin: Wash exposed areas with soap and water. Get medical attention if allergic reaction occurs. Slight redness on hands and forearms. Skin sensitization can develop after repeated and/or prolonged contact with human skin.

Recommended Precautions: Wash material off skin with plenty of soap and water. Wash clothing and footwear before reuse. Wear safety goggles and as a precaution wear plastic/latex type gloves. Medical Conditions Aggravated By Exposure: NONE

Inhalation: Asthmatic type response with sensitive individuals may occur. Remove individual to fresh air. Contact Physician. Use approved respiratory protection if needed. Always wash hands thoroughly after use.

Recommended Precautions: Use approved respiratory protection. Always wash hands thoroughly after use.

Eyes: In case of contact, flush eyes with plenty of water for at least 15 minutes using an eyewash fountain, if available. Get medical attention if eye irritation occurs.

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

SECTION V – FIRE FIGHTING MEASURES

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	UEL-N/A
Extinguishing Media:	Water and Foam Are Suitable				
Special Fire Fighting Procedures:	No Special Firefighting Equipment is needed, however, self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.				
Unusual Fire and Explosion Hazards:	N/A				

SECTION VI – ACCIDENTAL RELEASE MEASURES

Steps to be taken if Material is Released or Spilled: All personnel involved in the cleanup may wear protective clothing. NO emergency results from spillage. However, spills should be cleaned up promptly. To the extent possible, clean up spills using shovels. Sweep or vacuum spilled material, being careful not to create dust. Wear approved respirator during cleanup. For small spills, flush to waste treatment sewer (product is biodegradable). For large spills, contain and collect for reuse.

Environmental Precautions: The bacteria and carriers are naturally occurring and should not pose an environmental risk.

SECTION VII – HANDLING AND STORAGE

CAUTIONS TO BE TAKEN IN HANDLING & STORING: Keep product tightly wrapped in plastic at all times when not in use. Store In Cool, Dry, Safe Place. Wear Respiratory Protection if needed. Always Wash Hands Thoroughly After Use. Wear Approved Goggles When Handling Product. Provide adequate general ventilation. Wear protective type gloves.

OTHER PRECAUTIONS

Keep Out Of Reach Of Children.

SECTION VIII – EXPOSURE CONTROLS /PERSONAL PROTECTION

EXPOSURE LIMITS

Chemical Name(s): ACGIH (TWA) OSHA (TWA)

NONE

Exposure standards:

Component LTEL (8h TWA) STEL (15 mins)

None

EFFECTS OF SINGLE OVEREXPOSURE:

Swallowing: Ingestion of large quantities may result in abdominal discomfort including nausea, vomiting, cramps, and diarrhea.

Skin Absorption: Not absorbed through skin. Wash hands after use.

Inhalation: May cause respiratory tract irritation.

Eye contact: May cause irritation.

EFFECTS OF REPEATED OVEREXPOSURE:

Prolonged or repeated contact may cause allergic reactions in hypersensitive individuals,

Other Effects of Overexposure: NONE

Existing Medical Conditions Possibly Aggravated by Exposure: Respiratory allergy (hay fever, asthma) in some people. Individuals hyper allergic to enzymes or other related proteins should not handle.

Carcinogenicity: This product does not contain any ingredient designated by IARC, NTP, ACHIH, or OSHA as a probable human carcinogen.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance...Cylinder shape/Bright Green	Fragrance.....mild-earthy	Form.....Solid
pH.....6.0-8.0	Shelf-Life..... 1 year/u.o.c.	Flash Point.....none
Odor Threshold	Not Available	
Decomposition Temperature	Not Applicable	

Boiling Point/range	Not Applicable
Melting Point/range	Not Applicable
Flammability	Not flammable under normal conditions of storage and handling.
Auto ignition temperature	Not Applicable
Explosive limits	Not Applicable
Oxidizing Properties	None
Vapor Pressure	Not Applicable
Relative density	0.6 to 0.8
Solubility in water	Disperses in water.
Solubility in solvent	Not soluble
Partition coefficient	Not Applicable
Viscosity	Not Applicable
Vapor density	Not Applicable
Evaporation rate	Not Applicable
Conductivity	Not Applicable

SECTION X – STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use. Avoid excessive heat
Conditions to avoid:	None.
Incompatibility (Materials to avoid):	Strong Acids May Inactivate Cultures
Hazardous Decomposition or Byproducts:	Oxides of Carbon & Nitrogen.
Hazardous Polymerization:	Will NOT occur

SECTION XI – TOXICOLOGICAL INFORMATION

EXPOSURE LIMITS

Chemical Name(s):	ACGIH (TWA)	OSHA (TWA)
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NONE

EFFECTS OF SINGLE OVEREXPOSURE:

Swallowing: Ingestion of large quantities may result in abdominal discomfort including nausea, vomiting, cramps, and diarrhea.

Skin Absorption: Not absorbed through skin.

Inhalation: May cause respiratory tract irritation.

Eye contact: May cause irritation.

EFFECTS OF REPEATED OVEREXPOSURE:

Prolonged or repeated contact may cause allergic reactions in hypersensitive individuals,

Other Effects of Overexposure: NONE

Existing Medical Conditions Possibly Aggravated by Exposure: Respiratory allergy (hay fever, asthma) in some people. Individuals hyper allergic to enzymes or other related proteins should not handle.

Carcinogenicity: This product does not contain any ingredient designated by IARC, NTP, ACHIH, or OSHA as a probable human carcinogen. No known significant effects or critical hazards.

SECTION XII – ECOLOGICAL INFORMATION

Environmental Effects: Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring organisms. The product contains naturally occurring materials.

Mobility: Disperses in water

Degradability: Contents are biodegradable

Bioaccumulative potential: None known

Aquatic Toxicity: None Known

SECTION XIII – DISPOSAL INFORMATION

Waste disposal method: No special disposal method. May be sewered; compatible with all known biological treatment methods. Dispose of in accordance with local, state, and Federal regulations.

Precautions to be taken in Handling and Storing: No special precautions required while handling product. Keep dry and store wrapped in plastic in cool dry area. Avoid direct skin contact.

SECTION XIV – TRANSPORT INFORMATION

D.O.T. Hazard Class: Not Applicable
 D.O.T. Label(s): Not Applicable
 D.O.T. Shipping Name: (N.O.I) Non Hazardous

UN number- Not Classified
Class- Not Classified
Primary Hazard-- Not Classified
Subsidiary Hazard-- Not Classified
Packing Group - Not Classified
Emergency Action Code - Not Classified
H.I. Number - Not Classified
Marine Pollutant-- Not Classified
Transport Environmental Hazard- Not Classified
Transport Special Precautions – Not Classified (Do not Freeze)
Proper Shipping name
 Water treatment compounds, bacterial culture.

SECTION XV – REGULATORY INFORMATION

TSCA Inventory Status: This product is exempt from on the TSCA inventory.
 Transportation Status: DOT: Not regulated.
 Reportable Quantity (RQ) under 49 CFR 172. 101 Appendix: Not required.
 SARA Title III:
 Section 302/304/311/312 Extremely Hazardous Substance List: Not listed.
 Section 313 Toxic Chemicals: Not listed.
 Reportable Quantity (RQ) under US EPA CERCLA: Not required.
 RCRA Hazardous Waste: Not listed.
 California Proposition 65: Not listed.

SECTION XVI– OTHER INFORMATION

Product Name: MicroBlock™ C.A.S. # N/A
Supersedes: All previous **Effective Date:** 1/2014

National Fire Protection Association
 Hazardous Materials Identification System
 4=Extreme/Severe 3=High/Serious
 2=Moderate 1=Slight 0=Minimum

	NFPA	HMIS
Health	0	0
Fire	0	0
Reactivity	0	0
Special	0	0

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MATERIAL SAFETY DATA SHEET MicroBlock™

