

GREASE BLOCK™

for Grease/Odor in Collection Systems & Sewer Lines



The Helix HB-9200-MP GREASE BLOCK™ is a solid, bacteria-laden block used in degrading and reducing organic waste. The bacteria contained in this totally organic block are safe, natural strains which are non-pathogenic. Specially adapted to the task, these microbes handle difficult organic problems rapidly and effectively. Our unique NATURAL growth enhancers and bio-stimulants that are contained within the GREASE BLOCK™ give the bacteria unsurpassed nutrient support and growth capabilities. GREASE BLOCK™ micro-organisms are grown on FOG during the fermentation process to create voracious microbes to eat & digest the troublesome fats, oils, & grease.

As sewage levels rise and fall, this unique block will gradually degrade and dissolve over a two to four week period in low to average flow situations. This allows for continuous 24/7 treatment in lift stations, wet wells and manholes.

No need for costly repeat trips out to the wet wells & manholes for manual dosing. No need for expensive dispensing pumps & equipment. If used consistently, as recommended, GREASE BLOCK™ reduces grease buildup, malodors and equipment failures from grease and chemical can be expected. ***Eliminates formation of sulfuric acid by efficiently degrading organic matter that sulfur reducing bacteria (SRBs) thrive on. Reducing the SRB population reduces the production of Hydrogen Sulfide gas. Reduces bad odors and corrosion. Psychrophilic formulation available for cold climates or winter use.***

FEATURES AND ADVANTAGES

- ☑ Uses NATURAL, SAFE Bacteria to Digest and Eat Grease
- ☑ Contains NATURAL growth enhancers & bio-stimulants to maximize bacterial action
- ☑ Breaks Down Odor and Grease compounds
- ☑ Keeps floats and equipment Grease Free
- ☑ Reduces Citizen Complaints
- ☑ Easy to use and Cost Effective
- ☑ Reduces or Eliminates malodors, including Hydrogen Sulfide
- ☑ Treats lift stations, wet wells, and manholes continuously - 24/7
- ☑ Reduces Man Hours needed to maintain Lift Stations & Manholes
- ☑ Eliminates need for Expensive Metering Equipment or Pump Setups for dosing
- ☑ Bacteria keep working on waste after leaving the lift station
- ☑ Regular use Decreases Force Main Restrictions and WWTP efficiency
- ☑ Greatly Reduces Corrosion and Wear in pumps and equipment
- ☑ Excellent for low flow lines or upstream from "Hot Spots"!

Helix HB-9200-MP GREASE BLOCK

TECHNICAL INFORMATION

Performance Properties

Effective pH range.....5.5-9.0
Effective Temp. range.....40 – 110 deg. F

Microbiological Information

Multiple strains of selected Facultative anaerobes (growth with or without oxygen). All microorganisms are Class 1 ATCC organisms, Non-pathogenic, Spore Forming & Vegetative cells. Certified Salmonella Free. Produces abundant amylase, protease, lipase, cellulose, dioxygenase, and pentosanase primary enzymatic activity. Contains natural nutrients for bio-stimulation & growth enhancement.

Storage & Handling

Store in a cool place; Protect from freezing; Do not open until needed; Replace lid tightly after each use; Avoid inhalation of mist; Wash hands with warm, soapy water after use.

Product Safety

Health	1	0=Least
Flammability	0	1=Slight
Reactivity	0	2=Moderate
		3=High
		4=Extreme

Packaging

Helix HB-9200-MP GREASE BLOCK™ come as 4 eight pound blocks per case or 6 two pound per case, sealed in a plastic container. Each boxed with netting. Rope is NOT INCLUDED.

Dosage and Application

Lift Station/Wet Wells - Each situation is unique and different. Use 8 lb. of GREASE BLOCK™ per 50,000 – 75,000 GPD of sewage flow. Clean and vacuum lift station before application. Proper degradation of BLOCK and inoculation of bacteria into the system can occur in low to average flows of 5,000-100,000 GPD. Check BLOCKS every 2 weeks. When the GREASE BLOCK™ has degraded by 50-60%, install another GREASE BLOCK™ to ensure sufficient bacterial dosing. Try to maintain a MINIMUM of 1-2 pounds of GREASE BLOCK™ in use at all times per 40,000 GPD flow for good performance. USE TWICE the recommended amount of GREASE BLOCK™ on initial installation.

To install, Attach the netting securely to a rope. Once the lift station/wet well has been pumped down to its lowest level, drop GREASE BLOCK into an area of the station that receives good water flow, like near influent flow. Make sure that the GREASE BLOCK is submerged, but NOT on the bottom of the well. Position GREASE BLOCK™ where it will not entangle with equipment/lines. The block will dissolve gradually over an approximate 3 to 8 week period in the wastewater turbulence.

Manholes – Drop GREASE BLOCK™ into waste stream. Suspend in sewer line (submerge totally if possible) where maximum amount of sewage will come in contact with GREASE BLOCK™. Tie rope from GREASE BLOCK™ securely so as not to allow it to float downstream. 2 lb GREASE BLOCK™ recommended in small mains or manholes.

Grease Traps –Install in grease trap in at least 2 chambers where possible, where incoming flow provides turbulence. Break up any grease mat that may exist. It is always best to have trap pumped prior to treatment. Secure rope firmly.



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Distributed By:

HB-9200-MP GREASE BLOCK**Material Safety Data Sheet**

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SECTION I

Health	1	0=Least
Flammability	0	1=Slight
Reactivity	0	2=Moderate
		3=High
		4=Extreme

SECTION II - HAZAROUS INGREDIENTS/INFORMATION

NONHAZARDOUS COMPONENTS	CAS#	OSHA/PEL	ACGIH/TLV	OTHER/STEL	SK
Bacteria Cultures & Fermentation Enzymes					
HAZARDOUS COMPONENTS	CAS#	OSHA/PEL	ACGIH/TLV	OTHER/STEL	SK
None under 29 CFR 1910.1200	N/A	N/A	N/A	N/A	N/A

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	Appearance and odor: Purple solid with pleasant fragrance
Vapor Pressure (mm Hg): ND	Specific Gravity (H2O=1): 1.09-1.095
Vapor Density (Air=1): ND	Melting Point: 140 degrees F
Solubility in Water: slowly soluble with water flow.	Evaporation Rate@Butyl Acetate=1) <1

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used): NONE	Flammable Limits: LEL: N/A UEL:N/A
Extinguishing Media: The material does not burn or support combustion.	
Special Fire Fighting Procedures: NONE	
Explosion Hazards: NONE	

SECTION V - REACTIVITY DATA

Stability: Stable
 Incompatibility (Materials to Avoid): Bases or strong acids may inactivate biological cultures.
 Hazardous Decomposition or Byproducts: Oxides of carbon and nitrogen may inactivate biological cultures.
 Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): Irritation of skin or mucous membrane
 Routes of Entry, Signs of Exposure, and Symptoms of Exposure:
 SKIN and EYES: NO
 INHALATION: NO
 INGESTION: Possible gastric pain and vomiting if large quantities are ingested.
 Medical Conditions Generally aggravated by Exposure: Unknown
 Carcinogenic: NONE
 Emergency and First Aid Procedures:
 SKIN & EYE CONTACT: Rinse skin with clear water. For eye contact immediately flush with clear running water for 15 minutes. If irritation persists get medical attention.
 INHALATION: Not applicable.
 INGESTION: Laxative effect with small quantities. Large quantities may cause dehydration. Get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SPILLS: N/A.
 Handling and Storing: Keep container closed when not in use. Do not freeze. Follow label instructions.
 Other Precautions: Keep this and all chemicals out of the reach of children.
 DISPOSAL INFORMATION: Collect solid material and dispose according to non-hazardous regulations.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Not required.	Eye Protection: Not required
Ventilation: General Mechanical	Other Protective Clothing or Equipment: Not required.
Protective Gloves: X	Personal Hygiene: Wash hands after use.

SECTION IX - ADDITIONAL INFORMATION

ENVIRONMENTAL BIODEGRADABILITY: Biodegradable
 SARA TITLE III REPORTING REQUIREMENTS
 SECTION 302, 304 Reporting not required
 311, 312 Reporting not required for inventory above TPQ.
 313 Reporting may be required for users in manufacturing sector.
 CERCLA Same as section 304

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