

PORC 'n Bags[©]

Contains PORC with HRx[©]

BENEFITS

- ✓ PORC 'n Bags[©] are ½ lb. water soluble bags. Easy to Use.
- ✓ Premeasured. No Dusty Powder to measure & Contend with.
- ✓ Contains Safe, Non-pathogenic, Aerobic & Facultative Anaerobic Microbes, Fungi & Enzymes
- ✓ Degrades & Digests Organic Waste
- ✓ Reduces FOG in Sewer Lines and Lift stations – Eliminates Maintenance Headaches
- ✓ Reduces Bad Odors, BOD, SVI, & TSS
- ✓ Excellent for Sludge Reduction, Odors, Septic Systems, Dairy uses, & Lagoons
- ✓ Increases Rate of Biodegradation

Use for Common Wastewater Problems

Grease Buildup

Fats, Oils & Grease buildup in lift stations, wet wells, and sewer lines to create everyday headaches. **Thick**

Scum Blankets

Fats, Oils & Grease can collect on the surface, buoyed by trapped gases, where it can dry and become difficult to digest.

Slow Drying Sludge

Fats, oils & grease, along with partly digested sludge, can create a slow drying condition for sludge. Is tan in color with large cracks.

Dark Odorous Sludge

Very smelly raw sewage in digesters and Imhoff tanks. Almost septic in nature.

Excess Foam in Tanks

Brown to dark brown sticky foam caused by filamentous foam – typically *Nocardia*.

Hard Solids

Banked sludge and harder solids may cause only water to be drawn and prevent good digestion.

No Biological Activity

Biological activity ceases due to upset or poor conditions. Processing of influent ceases.

Note – Helix PORC contains the revolutionary ingredient HRx for enhanced performance.

WORKS ON

fats, oil and grease
cellulose material
surfactants
wastewater

starches
ammonia
soaps
hydrogen sulfide

proteins
malodor sources
urine
sludge volume

USE IN

waste water plants
lagoons
oxidation ditches
Imhoff tanks

swampy areas
cesspools
food processing plants
septic systems

sewer lines
holding tanks
collection systems
dairy farms

PORC 'n Bags with HRx[©]

Technical Information

Microbiological Information

Multiple strains of selected Facultative (growth with or without oxygen) microorganisms which are Class 1 ATCC organisms, Non-pathogenic & Non-Mutating, Spore Forming & Vegetative cells which are Certified Salmonella Free.

Performance Properties

Effective pH Range - 6.0 - 9.0; Effective Temp. Range - 38-110 deg. F.;
Dissolved Oxygen - Greater than or equal to 1.0 preferred

DIRECTIONS FOR USE

LIFT STATIONS, WET WELLS, & SCUM PITS

<i>Flow Rate</i>	<i>Shock Dosage (2 weeks)</i>	<i>Maintenance Dosage</i>
Up to 25,000 gpd	3 bags daily	1 bag daily
Up to 50,000 gpd	6 bags daily	2 bags daily
Up to 100,000	8 bags daily	2 bags daily

It is best to clean area to be treated first, then begin dosage regimen. Dosage should be made in area to be treated after it has been pumped down to lowest possible point. All Lift Stations vary and it is often difficult to get a true flow. Dosages are for typical lift stations etc. If grease appears to be building up, up dosage or return to Shock Dosage level until the buildup ceases. It may be necessary to dose upstream from area to be treated to maximize effectiveness. For special circumstances, contact Helix Labs..

HOT SPOTS, SEWER LINES, & MANHOLES

Shock Dose – Use 1 bag per 500 ft of line (up to 12" pipe) daily for 7 days. For larger pipe, apply the same amount per 12" diameter. Apply upstream from hotspot or area that is to be treated. **Maintenance Dose** – Use 1 bag per week per 500 feet of line to be treated (up to 12" pipe) once Shock Dose is completed. For larger pipe, apply the same amount per 12" diameter.

Note- If buildup appears, use Shock dosage again for 7 consecutive days.

WWTPS, OXIDATION DITCHES, DIGESTERS – Consult with Helix Technical Representative.

GREASE TRAPS, INTERCEPTORS & EJECTORS – Consult with Helix Technical Representative

Product Safety

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

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.

Packaging

Helix HP-GTF is packaged in 50 pound containers.



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Distributed By:

Made in USA.

Helix PORC with HRx

Material Safety Data Sheet

SECTION I

Helix Laboratories, Inc.
1420 Century Dr Suite1300
Carrollton, TX 75006

Date 2-28-99
Phone: Inquiry- (972) 245-4757
Emergency - (877) 444-3549

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	NA				
HAZARDOUS COMPONENTS	CAS#	OSHA/PEL	ACGIH/TLV	OTHER/STEL	SK
None					

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: none	Appearance and odor: off white with yeast-like odor
Vapor Pressure (mm Hg): ND	Specific Gravity (H2O=1):0.920-1.2
Vapor Density (Air=1): ND	Melting Point: ND
Solubility in Water: Moderate-disperses in water	Evaporation Rate@Butyl Acetate=1) 0.0%-powder

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used): NONE	Flammable Limits: LEL: N/A UEL:N/A
Extinguishing Media: water	
Special Fire Fighting Procedures: NONE	
Explosion Hazards: NONE	

SECTION V - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Oxidizers or strong acids may inactivate cultures.
Hazardous Decomposition or Byproducts: Heat, carbon dioxide, and carbon monoxide.
Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): NONE KNOWN
Routes of Entry, Signs of Exposure, and Symptoms of Exposure:
SKIN and EYES: May irritate extremely sensitive individuals. Possible eye irritant.
INHALATION: Will not mist.
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. Get medical attention.
INHALATION: Not applicable.
INGESTION: Immediately drink large quantities of water. Get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SPILLS: Dilute with water and flush to sanitary sewer.
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.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Not required.	Ventilation: Not required.
Protective Gloves: Not required	Eye Protection: Not required
Other Protective Clothing or Equipment: Not required.	

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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