

# HP-GTF with HRx<sup>®</sup>

## ***Dry Grease (FOG) Degradar***

HP-GTF with HRx<sup>®</sup> contains a specially formulated blend of dry microorganisms and micronutrients in developed for use in care of plumbing systems of food processing or preparation facilities. Because of the diversity of the microorganisms and enzyme systems, this product is excellent for municipal, food processing or food service uses such as collection systems, grease traps, sewer lines and anywhere animal & vegetable fat, oil, or grease (FOG) can be problematic. Troublesome grease buildup mean costly pump-outs, extra jetting, foul odors, and health concerns, and maintenance headaches. Buildup of food waste in plumbing and drain lines of restaurants or other food preparation facilities can cause big problems such as foul odors, system backups, and kitchen flooding. A regimen of HP-GTF with HRx<sup>®</sup> will digest FOG, as well as eliminate sewer and plumbing line buildup and keep them free flowing and free of foul odors. HP-GTF with HRx<sup>®</sup> is completely water soluble for great ease-of-use and quick effectiveness.

### ***DEGRADES/REDUCES***

*fat, oil, and grease*  
*foul odors from putrid buildup*  
*surfactants/soaps*

*starches*  
*animal fats*  
*vegetable fats*

*proteins*  
*foaming*  
*starches*

### ***USE IN***

*grease traps*  
*drain traps*  
*lift stations*

*drains*  
*grease interceptors*  
*wet wells*

*plumbing lines*  
*drain lines*  
*sewer lines*

### ***ADVANTAGES***

- high impact on fat, oil, and grease
- reduces malodors from grease buildup
- greatly reduces grease buildup in drains & lines
- non-pathogenic, non-toxic, non-hazardous
- laboratory certified - certified salmonella free
- eliminates smelly, messy sewer and plumbing backups
- eliminates foul odors from putrefying waste in lines
- eliminates high labor or plumbers cost
- contains facultative anaerobes to work with or without oxygen
- reduces costly pump-outs

# Helix HP-GTF with HRx<sup>®</sup>

## 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	1 lb per week	½ lb per week
Up to 50,000 gpd	1 lb twice per week	1 lb per week
Up to 100,000	1 lb every other day	1 lb twice weekly
Up to 250,000 gpd	1 lb daily	½ lb daily
Up to 500K gpd	2 lb daily	1 lb daily
Per 1 mgd	4 lb daily	2 lb 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 ½ lb 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 ½ lb 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.*

**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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Fax: (877) 435-4939  
Local Telephone: 972-245-4757  
Email: [info@helixlabs.com](mailto:info@helixlabs.com)  
[www.helixlabs.com](http://www.helixlabs.com)

**Distributed By:**

**Made in USA.**

# HP-GTF Dry

# Material Safety Data Sheet

## SECTION I

Helix Laboratories, Inc.  
1420 Century, #1300  
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				
Nutrients					
Natural Growth Stimulants					
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	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): NA	Flammable Limits: LEL: N/A UEL:N/A
Extinguishing Media: water	Explosion Hazards: NONE
Special Fire Fighting Procedures: If involved with fire, extinguish surrounding area with water. Use self contained breathing apparatus.	

## SECTION V - REACTIVITY DATA

Stability: Stable  
Incompatibility (Materials to Avoid): Oxidizers or strong acids may inactivate cultures. Avoid contact with strong reducing agents.  
Hazardous Decomposition or Byproducts: Heat, carbon dioxide, oxides of nitrogen 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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