

Helix MINIMIZER LIQ

For Grease Control in Sewer Mains

Helix **MINIMIZER LIQ** for Sewers is a high strength, high potency microbial liquid designed to be used with the Helix **MINIMIZER PUMP** for sewer main grease control programs. Sewer grease (FOG) is a major problem in sewer mains in most collection systems. Using the **MINIMIZER SYSTEM** with **MINIMIZER LIQ** to drip high potency, grease-eating bacteria is an easy & effective regimen that controls grease buildup in sewer mains.

“.....47% of all SSOs nationally are due to grease buildup.” US EPA



Before Treatment Begins



90 Days after Treatment Began

From San Diego Grease Study

GREASE CONTROL is EASY as 1 – 2 – 3 !

1. Jet clean your lines with **JETBUGS**
2. **SHOCK** dose the main with **Helix SEED**
3. Control grease with the Helix **MINIMIZER SYSTEM**

Benefits

- ✓ Helix bacteria are **Grown on Grease to Eat Grease!**
- ✓ Winner of the **San Diego Grease Study**
- ✓ Known Grease Control Expenses - **MINIMIZER SYSTEM** Automates Treatment
- ✓ Control Biggest Reason for SSOs - FOG
- ✓ Use Upstream from Hot Spots - Creates Healthy Biofilm in Lines
- ✓ Bacteria Digests FOG and leaves behind CO₂ & Water
- ✓ **Biodegradable, CHEMICAL FREE, NO VOCs**



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Sold By

Helix MINIMIZER LIQ

Material Safety Data Sheet

SECTION I

Helix Laboratories, Inc
1420 Century Dr Suite 1300
Carrollton, TX 75006 USA
Date 4-20-2008
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
Water	7732-18-5				
Bacteria Cultures					

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

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212-214^	Appearance and odor: brown, turbid liquid/low odor
Vapor Pressure (mm Hg): ND	Specific Gravity (H2O=1):1.00-1.2
Vapor Density (Air=1): ND	Melting Point: ND
Solubility in Water: Total	Evaporation RateⓈButyl Acetate=1) ND

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used): NONE	Flammable Limits: LEL: N/A UEL:N/A
Extinguishing Media: Carbon dioxide, dry chemical, water mist or alcohol foam.	
Special Fire Fighting Procedures: NONE	Explosion Hazards: NONE

SECTION V - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Oxidizers or strong acids will affect efficacy of microorganisms.
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: None known.
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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