

**norweco**<sup>®</sup>

**BIO-GEM**<sup>®</sup>

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

TRADE NAME:	Bio-Gem <sup>®</sup>
ACTIVE INGREDIENT INFORMATION	
CHEMICAL:	Bacterial Additive
FORMULA:	Compound Product
DOT SHIPPING NAME:	Liquid Grease Digester, Non-Hazardous
DOT HAZARD CLASS:	Non-Hazardous
IDENTIFICATION NUMBER:	Not Applicable
REPORTABLE QUANTITY:	Not Applicable

### II. INGREDIENTS

HAZARDOUS INGREDIENTS:	None
NON-HAZARDOUS INGREDIENTS:	Proprietary Mixture 100%

### III. PHYSICAL DATA

BOILING POINT:	> 100° C.
FREEZING POINT:	0° C
VAPOR PRESSURE:	Equal to Water
VAPOR DENSITY:	Equal to Water
EVAPORATION RATE:	Equal to Water
SOLUBILITY IN H <sub>2</sub> O; % BY WEIGHT:	99%
pH OF SOLUTION:	7.0-7.8
VOLUME % VOLATILE:	NIL
APPEARANCE AND ODOR:	Medium Blue Liquid, Herbal Scent

### IV. FIRE AND EXPLOSION DATA

FLASH POINT:	Not Applicable
FLAMMABLE LIMITS IN AIR:	Not Applicable
EXTINGUISHING MEDIA:	Carbon Dioxide, Dry Chemical, Water
SPECIAL FIRE FIGHTING PROCEDURES:	NIOSH/MSHA - Approved positive pressure, self-contained breathing apparatus with full face piece, and protective clothing
UNUSUAL FIRE & EXPLOSION HAZARD:	None

### V. REACTIVITY DATA

STABILITY:	Stable
INCOMPATIBILITY:	Extreme heat, strong acids
HAZARDOUS DECOMPOSITION PRODUCTS:	None

## VI. HEALTH HAZARDS DATA

### PERMISSIBLE EXPOSURE

No permissible exposure limits have been established by OSHA.

### ROUTES OF EXPOSURE

INHALATION:

Inhalation of product or mist may cause respiratory tract irritation.

EYE:

Mist or solution may burn eyes on contact.

SKIN:

Product may result in skin irritation upon prolonged contact.

INGESTION:

Ingestion may irritate gastro-intestinal tract.

## VII. EMERGENCY AND FIRST AID PROCEDURES

### INHALATION:

Remove to fresh air. If not breathing, resuscitate and administer oxygen if readily available. Seek medical attention immediately.

### EYE CONTACT:

Immediately flush with large amounts of water for fifteen (15) minutes, rinsing eye thoroughly. Get medical attention.

### SKIN CONTACT:

Wash with plenty of soap and water for fifteen (15) minutes. Remove contaminated clothing. If skin irritation occurs, get medical attention. Wash clothing before reuse.

### INGESTION:

Call Physician immediately. Only induce vomiting if advised by physician.

## VIII. STEPS FOR MATERIAL SPILL

Spills exceeding 100 gallons should be reported to local authorities.

1. Contain all spilled material, wearing appropriate protective equipment.
2. Transfer spilled material into clean containers for disposal. Do not flush to surface water.

### WASTE DISPOSAL METHOD

Not rated a hazardous substance by EPA. Collected material can be diluted in water, exercising caution. Material may be discharged into an appropriate waste collection system, but consult local, state, and federal regulating agencies prior to disposing of any material.

## IX. SPECIAL PROTECTION INFORMATION

RESPIRATOR PROTECTION:

If product mist is encountered, use NIOSH/MSHA respirator with acid gas cartridge and dust prefilter.

VENTILATION:

Store and use in well ventilated area.

EYE PROTECTION:

Chemical safety goggles.

GLOVES:

Rubber, neoprene, or PVC.

OTHER PROTECTIVE EQUIPMENT:

Boots, aprons, or chemical suits as required to prevent skin contact.

## X. COMMENTS

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**KEEP OUT OF THE REACH OF CHILDREN.**

***norweco***<sup>®</sup>

*Engineering the future of water  
and wastewater treatment*

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