



SAFETY DATA SHEET

BIO-GEM® GREASE ELIMINATING MICROBES

EMERGENCY TELEPHONE: (800) 424-9300

DATE PREPARED: JANUARY 2015

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Bio-Gem®
CHEMICAL NAME	Bacterial Additive
CHEMICAL ABSTRACT SERVICE NO.	Not Applicable
CHEMICAL FAMILY	Not Applicable
FORMULA	Compound Product
SUPPLIER	Norweco, Inc. 220 Republic St. Norwalk, OH USA 44857
EMERGENCY TELEPHONE NUMBER	(800) 424-9300
TECHNICAL PHONE NUMBER	(800) NORWECO, (800) 667-9326

II. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW	May cause allergic reactions in sensitive individuals. May cause irritation to eyes, skin and respiratory system on contact. Avoid prolonged contact. Ingestion may irritate gastrointestinal tract. Wash hands thoroughly after handling. Do not mix with other chemicals. Avoid all situations that could lead to harmful exposure.
POTENTIAL ACUTE HEALTH EFFECTS	
INHALATION	Inhalation of product or mist may cause respiratory tract irritation.
INGESTION	Ingestion may irritate gastrointestinal tract.
SKIN	Product may result in skin irritation upon prolonged contact.
EYES	Mist or solution may burn eyes on contact.
OVER EXPOSURE SIGNS/SYMPTOMS	
INHALATION	Adverse symptoms may include the following: respiratory tract irritation
INGESTION	Adverse symptoms may include the following: gastrointestinal tract irritation
SKIN	Adverse symptoms may include the following: irritation
EYES	Adverse symptoms may include the following: irritation
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE	Not available

III. CONSUMPTION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	None
NON-HAZARDOUS INGREDIENTS	Proprietary mixture 100%

THERE ARE NO ADDITIONAL INGREDIENTS PRESENT, WITHIN THE CURRENT KNOWLEDGE OF THE SUPPLIER AND IN THE CONCENTRATIONS APPLICABLE THAT ARE CLASSIFIED AS HAZARDOUS TO HEALTH OR THE ENVIRONMENT AND HENCE REQUIRE REPORTING IN THIS SECTION.

IV. FIRST AID PROCEDURES

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

EYE CONTACT	Immediately flush with large amounts of water for fifteen (15) minutes, rinsing 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.
INHALATION	Remove to fresh air. If not breathing, resuscitate and administer oxygen if readily available. Seek medical attention immediately.
INGESTION	Call physician immediately. Only induce vomiting if advised by physician. If unconscious, or in convulsions, seek medical attention immediately. Do not induce vomiting or give anything by mouth to an unconscious person.
NOTE TO PHYSICIAN	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested.

V. FIRE-FIGHTING MEASURES

FLAMMABILITY OF THE PRODUCT	Not applicable
EXTINGUISHING MEDIA	
SUITABLE	Carbon dioxide, dry chemical and water
NOT SUITABLE	Not applicable
SPECIAL EXPOSURE HAZARDS	Not applicable
HAZARDOUS COMBUSTION PRODUCTS	Not applicable
SPECIAL FIREFIGHTING PROCEDURES	NIOSH/MSHA - Approved positive pressure, self-contained breathing apparatus with full face piece and protective clothing.

VI. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear appropriate personal protective equipment if required.
ENVIRONMENTAL PRECAUTIONS	Not Applicable
LARGE SPILL	Spills exceeding 100 gallons should be reported to the local authorities.
SMALL SPILL	Contain all spilled material, wearing appropriate protective equipment. Transfer spilled material in clean, dry containers for disposal. Do not flush to surface water.
REFERENCE TO OTHER SECTIONS	See Section I for emergency contact information. See Section VIII for information on appropriate personal protective equipment. See Section XIII for additional waste treatment information.

VII. HANDLING AND STORAGE

HANDLING	Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. Use caution in handling spilled material. Put on appropriate personal protective equipment (see Section VIII). Do not swallow. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Keep in the original container with the lid securely closed.
STORAGE	Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Protect from direct light and minimize contact with air. Protect from freezing. Keep away from oxidizers, acids and other chemicals. Do not reuse or refill empty containers. Offer to recycling if available or place in trash collection. Do not contaminate food or feed by storage or disposal of this product.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS

RECOMMENDED MONITORING PROCEDURES	Per OSHA no permissible exposure limits have been established.
ENGINEERING MEASURES	Use adequate general or local exhaust ventilation to keep fume and/or dust level as low as possible.
HYGIENE MEASURES	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
PERSONAL PROTECTION	
EYES	Safety glasses
HANDS	Gloves should be worn
GLOVES	Rubber, neoprene or PVC
RESPIRATORY	If product mist is encountered, use NIOSH/MSHA approved respirator with acid gas cartridge and dust pre-filter.
SKIN	Boots, aprons or chemical suits as required to prevent skin contact.
ENVIRONMENTAL EXPOSURE CONTROLS	Not applicable

IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid	DENSITY (lbs/gal)	Not available
FLASH POINT	Not applicable	VAPOR PRESSURE	Equal to water
DECOMPOSITION TEMPERATURE	Not available	VAPOR DENSITY	Equal to water
MATERIAL SUPPORTS COMBUSTION	Not applicable	VOLATILITY	NIL
COLOR	Blue liquid	EVAPORATION RATE	Equal to water
ODOR	Herbal scent	VISCOSITY	Not applicable
pH	7.0-7.8	SOLUBILITY	99%
BOILING/CONDENSATION POINT	> 100°C	WATER SOLUBILITY AT ROOM TEMPERATURE	Not available
MELTING/FREEZING POINT	0°C	PARTITION COEFFICIENT NOCTANOL/WATER	Not available
SPECIFIC GRAVITY	Not available	% SOLID (W/W)	Not available

X. STABILITY AND REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID	Extreme heat
MATERIALS TO AVOID	Strong acids
HAZARDOUS DECOMPOSITION PRODUCTS	None
POSSIBILITY OF HAZARDOUS REACTIONS	Not applicable

XI. TOXICOLOGICAL INFORMATION

PERMISSIBLE ACUTE	No permissible exposure limits have been established by OSHA.
INHALATION	Inhalation of product or mist may cause respiratory tract irritation.
EYE/SKIN	Prolonged contact may cause skin irritation. Eye contact may cause irritation.
INGESTION	Ingestion may irritate gastrointestinal tract.
CHRONIC	Not available

XII. ECOLOGICAL INFORMATION

ECOLOGICAL TOXICITY VALUES	No information available
ENVIRONMENTAL EFFECTS	Not applicable
BIODEGRADABILITY	Not applicable

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Not rated a hazardous substance by USEPA. Collected material can be dissolved in water, exercising caution. Material may be discharged into an appropriate waste collection system, but consult all local, state and federal regulating agencies prior to disposing of any material.
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XIV. TRANSPORTATION INFORMATION

IDENTIFICATION NUMBER	Not applicable
PACKING GROUP	Not applicable
REPORTABLE QUANTITY	Not applicable
HMIS/NFPA RATING	Not applicable

XV. REGULATORY INFORMATION

USEPA	Non-hazardous
U.S. DOT HAZARD CLASS	Non-hazardous
CERCLA HAZARDOUS SUBSTANCE	No
SARA TITLE III	Non-hazardous

XVI. OTHER INFORMATION

OTHER SPECIAL	Not applicable
DATE OF ISSUE	January 21, 2015