



CHEMICAL TECHNOLOGIES INC.

P.O. Box 91055  
TORONTO, ON  
M9C 5N5  
Tel: 416-848-3917  
Fax: 647-430-3455

# MATERIAL SAFETY DATA SHEET

## BIOGREEN

### SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION  
CHEMICAL FAMILY  
CHEMICAL FORMULA  
MOLECULAR WEIGHT  
MATERIAL USE

WHMIS CLASS D-2B:  
BACTERIA CULTURES  
MIXTURE  
NOT APPLICABLE  
BIOLOGICAL DIGESTER

### SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT  
APPROX. CONCENTRATION %  
CAS  
EXPOSURE LIMITS  
LD50/LC50/SPECIES/ROUTE

VIABLE BACTERIA CULTURES (non-pathogenic)  
1-5  
NOT AVAILABLE  
NOT AVAILABLE  
NOT AVAILABLE

### SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE  
ODOUR AND APPEARANCE  
ODOUR THRESHOLD (PPM)  
SPECIFIC GRAVITY  
VAPOUR PRESSURE (MM)  
VAPOUR DENSITY (AIR =1)  
EVAPORATION RATE  
BOILING POINT (°C)  
FREEZING POINT (°C)  
SOLUBILITY IN WATER (20°C)  
% VOLATILE (BY VOL.)  
PH  
DENSITY (G/ML)  
COEFFICIENT OF WATER/OIL DISTRIBUTION

POWDER  
YEAST LIKE ODOUR, TAN POWDER  
NOT AVAILABLE  
NOT AVAILABLE  
NOT APPLICABLE  
NOT AVAILABLE  
NOT AVAILABLE  
NOT APPLICABLE  
NOT APPLICABLE  
MODERATE  
NOT APPLICABLE  
NOT APPLICABLE  
NOT AVAILABLE  
NOT APPLICABLE

### SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY  
MEANS OF EXTINCTION  
SPECIAL PROCEDURES

NON-FLAMMABLE  
WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL  
NOT AVAILABLE

FLASHPOINT (°C) AND METHOD	NONE
UPPER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
LOWER EXPLOSION LIMIT (% BY VOL.)	NOT APPLICABLE
AUTO-IGNITION TEMPERATURE (°C)	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS	NOT APPLICABLE
EXPLOSION SENSITIVITY TO CHEM. IMPACT	NOT AVAILABLE

<b>SECTION 5 REACTIVITY DATA</b>
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CHEMICAL STABILITY INCOMPATIBILITY? TO WHAT?	STABLE. MAY REACT WITH ACIDS. STRONG ACIDS OR BASES MAY INACTIVATE CULTURES.
REACTIVITY HAZARDOUS DECOMPOSITION PRODUCTS	NONE OXIDES OF CARBON

<b>SECTION 6 TOXICOLOGICAL PROPERTIES</b>
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ROUTE OF ENTRY SKIN CONTACT Y/N	Y
ROUTE OF ENTRY EYE CONTACT Y/N	Y
ROUTE OF ENTRY INHALATION Y/N	Y
ROUTE OF ENTRY INGESTION Y/N	Y
EFFECTS OF ACUTE EXPOSURE	CONTACT CAN CAUSE MILD IRRITATION AND REDNESS OF EYES. CONTACT WITH ABRADED SKIN MAY RESULT IN INFECTION. BACTERIA CULTURE IS NON-PATHOGENIC. NAUSEA, VOMITING OR DIARRHEA MAY RESULT FROM INGESTION.
EFFECTS OF CHRONIC EXPOSURE SYNERGISTIC MATERIALS	NONE KNOWN
CARCINOGENICITY Y/N	N
REPRODUCTIVE EFFECTS Y/N	N
TERATOGENICITY Y/N	N
MUTAGENICITY Y/N	N

<b>SECTION 7 PREVENTIVE MEASURES</b>
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PERSONAL PROTECTIVE EQUIPMENT	
GLOVES	RUBBER OR LATEX
EYEWEAR	SAFETY GLASSES
FOOTWEAR	AS REQUIRED BY EMPLOYER CODE
CLOTHING	AS REQUIRED BY EMPLOYER CODE
ENGINEERING CONTROLS	GENERAL VENTILATION IS NORMALLY ADEQUATE.
LEAK AND SPILL PROCEDURE	WASH AREA WITH WATER.
WASTE DISPOSAL	REVIEW FEDERAL, PROVINCIAL AND LOCAL GOVERNMENT REQUIREMENTS PRIOR TO DISPOSAL.
HANDLING PROCEDURES/EQUIPMENT	STORE IN A CLOSED CONTAINER, AWAY FROM INCOMPATIBLE MATERIALS.
STORAGE REQUIREMENTS	DO NOT FREEZE AND DO NOT STORE ABOVE 40° C

**SECTION 8 FIRST AID MEASURES**

SKIN	FLUSH WITH WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. AVOID CONTACT WITH OPEN WOUNDS OR BROKEN SKIN. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
EYE	FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INGESTION	GIVE AFFECTED PERSON SEVERAL GLASSES OF WATER AND INDUCE VOMITING. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

*VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC*

*ON 30/04/2010*

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