

## SECTION 1 - IDENTIFICATION

<b>Product identifier/Trade name:</b>	SAFEBLEND BIO-ENZYMATIC GREASE DIGESTER AND DEODORIZING CLEANER, FLORAL
<b>Other means of identification:</b>	ECFL
<b>Recommended:</b>	Concentrated enzymatic cleaner, floral scent
<b>Restriction on use:</b>	For industrial, institutional and food plants use only.
<b>Initial supplier identifier:</b>	Chemotec (PM) Inc. 8820 Place Ray-Lawson Anjou, Quebec, Canada H1J 1Z2 Phone: (514) 729-6321; 1-800-729-6321
<b>Emergency phone number:</b>	(613) 996-6666 (CANUTEC)

## SECTION 2 - HAZARDS IDENTIFICATION

### 2a WHMIS 2015 - GHS (Globally Harmonized System) classification

This product is not classified as dangerous as per GHS criteria.

### 2b Label elements

None

### Precautionary statement

None as per GHS

### Signal word:

None as per GHS

### Hazard statement

None as per GHS

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS #	% (weight)	GHS CLASSIFICATION
Concentrated Bacterial Cultures	Not available	7-13	ACUTE TOXICITY (oral), category 4
Ethoxylated alcohol	34398-01-1	0-1	Eye irritation, category 2

The actual concentrations are withheld as a trade secret.

**SECTION 4 - FIRST AID MEASURES**

**4a Description of first aid measures**

**Eye contact:**

Immediately rinse with plenty of water for several minutes, keeping eyelids open. If irritation persists seek medical attention.

**Skin contact:**

Rinse with water.

**Inhalation:**

No effect expected.

**Ingestion:**

Rinse mouth. Call a doctor if you feel unwell. Never give anything by mouth if the person is unconscious

**4b Most important symptoms and effects**

- Eye:** May cause moderate irritation. Prolonged contact without rinsing may be harmful.
- Skin:** May cause irritation, redness.
- Inhalation:** May cause irritation.
- Ingestion:** May cause slight irritation, diarrhoea and nausea.

**4c Immediate medical attention and special treatment needed**

No special treatment

**SECTION 5 - FIRE FIGHTING MEASURES**

**5a Extinguishing media**

Suitable extinguishing media:

Water (if possible avoid powerful jets), foam, dry chemicals, carbon dioxide. Product itself is not flammable.

Unsuitable extinguishing media:

None known.

**Specific hazards for product**

Hazardous combustion products:

Oxides of carbon, of sulfur and other irritating gases.

**Special protective equipment and precautions for firefighters**

Special fire-fighting procedures/equipment:

During a fire, irritating smoke and fumes may be generated. A self-contained breathing apparatus is required for fire-fighting personnel to protect themselves from irritating products produced during the combustion. Move containers from fire area if it can be done without risk. A stream of water directed into the product generates a lot of foam.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**6a Personal precautions, protective equipment and emergency procedures**

Personnal protection:

Avoid contact with eyes. Use adequate aeration and ventilation. Floor will be slippery in case of a spill. Use appropriate personal protection equipment (see section 8)

**6b Methods and materials for containment and cleaning:**

Stop the leak. For large spills, pump the product into drums or clean up spills using absorbent material. Resume cleaning by rinsing with water. Caution: floors will be slippery. If bacterial contamination is an issue, use chlorine to kill the bacillus spores.

**6c Environmental precautions:**

The bacteria and carriers are naturally occurring and should not pose an environmental risk.

**SECTION 7 - HANDLING AND STORAGE**

**7a Precautions for Safe handling:**

Before handling, it is important that engineering controls are operating and that protective equipment requirement and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Avoid inhaling mists. Avoid contact with skin, eyes and clothing. Keep away from heat and flame. Keep containers closed when not in use. Do not use with incompatible materials such as strong oxidizing agents

**7b Condition for safe storage:**

Store in a sealed container in a well-ventilated place. Do not store with food products. Keep from freezing.

**7c Special packaging materials:** none.

No incompatibility with most materials found in most workplaces.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**8a Control parameters**

	Ontario Time-weighted Average Limit (TWA)	Ontario Short-Term Exposure Limit (STEL)	Notations
	None established	None established	

**8b Engineering controls:**

A mechanical ventilation is recommended.

**8c Individual protection measures**

Respiratory Protection:

Not required under normal applications. Dust mask if mists are generated.

Skin protection and other protective equipment:

Waterproof boots for large spills.

Eye / face protection:

Not required under normal applications.

General hygiene considerations:

**KEEP OUT OF REACH OF CHILDREN.** Avoid contact with eyes. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance and odour:</b>	Clear green liquid, floral scent.
<b>Odour threshold:</b>	N/Av
<b>pH :</b>	6-8
<b>Melting point and freezing point:</b>	Approximately 0 °C
<b>Boiling point:</b>	Approximately 100 °C
<b>Flash point:</b>	None to boil
<b>Evaporation rate (n-BuAc =1):</b>	Approximately 0.4 (water)
<b>Lower flammable limit (% by volume):</b>	N/Av
<b>Upper flammable limit (% by volume):</b>	N/Av.
<b>Explosion data - Sensitivity to mechanical impact:</b>	Not sensitive
<b>Explosion data - Sensitivity to static discharge:</b>	Not sensitive
<b>Vapour pressure (mm Hg)</b>	Approximately 20 (water)
<b>Vapour density:</b>	Approximately 0.6 (water)
<b>Specific gravity or density (water = 1 at 4 °C):</b>	1.0 g/cm <sup>3</sup> @ 20 °C
<b>Solubility in water:</b>	Miscible
<b>Partition coefficient – n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity:</b>	<100 cps @ 25 °C

**SECTION 10 - STABILITY AND REACTIVITY**

**10a Reactivity:**

Not applicable when used as directed.

**10b Chemical stability :**

Stable at room temperature, in normal handling and storage conditions.

**10c Possibility of hazardous reactions:**

None known.

**10d Conditions to avoid:**

None known when used as directed

**10e Incompatible materials**

Avoid strong oxidizing agents. Acids and alkalies may inactivate the bacterial cultures.

**10 f Hazardous decomposition products:**

Oxides of carbon and other irritant gases.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Primary entry route(s):** Eye and ingestion.

**Eye:** May cause irritation, redness, tears, burning sensation.

**Skin:** May cause irritation

**Inhalation:** No effect expected.

**Ingestion:** May cause slight irritation, headache, abdominal pain, diarrhoea, nausea and vomiting.

**Carcinogenicity:**

No ingredient listed by IARC as a possible carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:**

Mutagenic tests have been negative for ingredients

**Skin sensitization:**

Ingredients not sensitizing as per OECD 406

**Respiratory tract sensitization:**

Not available

**Synergistic materials:**

Not available

**Other important hazards:**

Delayed effect: bacterial infection.

**Toxicological data:** The calculated LD<sub>50</sub> for this product is greater than 10,000 mg/Kg, oral, rat; our products are not tested on animals.

Ingredient	LD <sub>50</sub> (route, species)	LC <sub>50</sub> # hours (species)
Concentrated Bacterial Cultures	1,074 mg/kg (oral, rat)	N/Av
Ethoxylated alcohol	>2,000 mg/kg (oral, rat)	N/Av

For more details, refer to Section 3.

## SECTION 12 - ECOLOGICAL INFORMATION

### 12a Ecotoxicity :

Not available

### 12b Persistence and degradability:

Product is expected to be readily biodegradable as per OECD 301. The bacteria and carriers are naturally occurring and should not pose an environmental risk.

### 12c Bioaccumulation potential:

Not available

### 12d Mobility in soil:

There is no test data on this product.

### 12e Other adverse effect

No applicable information found

## SECTION 13 - DISPOSAL CONSIDERATIONS

Eliminate according to federal, provincial and local regulations.

## SECTION 14 - TRANSPORTATION INFORMATION

### Transportation of Dangerous Goods (TDG) in Canada :

**Not regulated**

UN number	Not applicable
Proper shipping name:	Not applicable
Class:	Not applicable
Identification number:	Not applicable
Packing group:	Not applicable
Special case:	Not applicable

## SECTION 15 - REGULATORY INFORMATION

### In Canada

#### WHMIS information:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and this safety data sheet (SDS) contains all the information required by the HPR.

**WHMIS Classification:** See section 2a

**CEPA information:** Ingredients are listed on the DSL inventory.

<b>SECTION 16 - OTHER INFORMATION</b>
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**Prepared by:** Chemotec (PM) Inc.  
**Phone number:** (514) 729-6321  
**Date:** 2017-11-02

**References:**

1. Manufacturer'/suppliers' MSDS.
2. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006.
3. International Agency for Research on Cancer Monographs, searched 2006.
4. The European Chemicals Agency (ECHA) website.

**Abbreviations:**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoises
DSL	Domestic Substance List
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal concentration
LD	Lethal Dosage
N/Av	Not available
N/Ap	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
WHMIS	Workplace Hazardous Materials Information System

End of the MSDS