



**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier/Trade name:** SAFEBLEND BIO-ENZYMATIC GREASE DIGESTER AND DEODORIZING CLEANER, FLORAL

**Product code/Internal Identification:** CCS ECFL

**Product use/Description:** Concentrated enzymatic cleaner, floral scent.

**Supplier identifier:** Chemotec (PM) Inc.  
8820 Place Ray Lawson  
Anjou, Québec, Canada H1J 1Z2  
Phone: (514) 729-6321; 1-800-729-6321

**Manufacturer identifier:** Chemotec (PM) Inc.  
8820 Place Ray Lawson  
Anjou, Québec, Canada H1J 1Z2  
Phone: (514) 729-6321; 1-800-729-6321

**Emergency phone number:** (613) 996-6666 (CANUTEC)

**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

| Ingredients                                    | CAS #      | % (weight) | ACGIH TLV | OSHA PEL |
|--|------------|------------|-----------|----------|
| Concentrated non-pathogenic bacterial cultures | N/Ap       | N/Ap       | N/Ap      | N/Ap     |
| Alcohol ethoxylate                             | 34398-01-1 | 1-5        | N/Ap      | N/Ap     |

**SECTION 3 - HAZARDS IDENTIFICATION**

**Emergency Overview**

Clear green liquid with floral scent. CAUTION. May cause eye and skin irritation.

**POTENTIAL HEALTH EFFECTS** (for more details, refer to Section 11)

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

**Eye:** May cause moderate to severe irritation.

**Skin:** Direct skin contact may cause irritation, redness.

**Inhalation:** May cause irritation.

**Ingestion:** May cause slight irritation, diarrhoea, and nausea.

**Long-term (chronic) exposure:** Prolonged contact with the product may cause dryness, slight irritation.

**Conditions aggravated by exposure:** None expected.

**Carcinogenic status:** See TOXICOLOGICAL INFORMATION, Section 11.

**Additional health hazards:** Delayed effect: bacterial infection.  
For further information, see TOXICOLOGICAL INFORMATION, Section 11.

**Potential environmental effects:** See ECOLOGICAL INFORMATION, Section 12.



#### SECTION 4 - FIRST AID MEASURES

**Inhalation:**

Bring the person to fresh air. Seek medical attention if discomfort persists.

**Skin contact:**

Rinse with water. Remove soiled clothes and wash before wearing. Seek medical attention should an irritation develop.

**Eye contact:**

Immediately rinse with plenty of water for at least 10 minutes, keeping eyelids open. If irritation persists, repeat flushing and seek medical attention immediately.

**Ingestion:**

If conscious, give plenty of water. Never give anything by mouth if the person is unconscious. Do not induce vomiting. If patient is unwell, seek medical attention.

#### SECTION 5 - FIRE FIGHTING MEASURES

**Fire hazards/conditions of flammability:**

Not flammable under normal handling conditions.

**Flash point (Method):** None

**Lower flammable limit (% by volume):** N/Av

**Upper flammable limit (% by volume):** N/Av

**Explosion data - Sensitivity to mechanical impact:** Not sensitive.

**Explosion data - Sensitivity to static discharge:** Not sensitive.

**Auto-ignition temperature:** N/Av

**Suitable extinguishing media:**

Water.

**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.

**Hazardous combustion products:**

Oxides of carbon, sulphur dioxide and other irritating gases.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Wear adequate personal protective equipment (See Section 8).

**Spill response/Cleanup:**

Wear personal protective equipment. Stop the leak if you can do so without risk. Vacuum or sweep to avoid generation of mist. Place in a labeled waste container for destruction. Resume cleaning by rinsing with water. If bacterial contamination is an issue use chlorine to kill the bacillus spores.

**Environmental precautions:**

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



**Prohibited materials:** N/Av  
**Special spill response procedures:** N/Av

## SECTION 7 - HANDLING AND STORAGE

### Safe handling procedures:

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.

### Storage requirements:

Store in a tightly sealed container, in a well ventilated room between 10°C and 40°C. Do not store with food products. Keep from freezing.

**Special packaging materials:** N/Av

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering controls:

A mechanical ventilation system is recommended.

### Respiratory Protection:

Not required under normal applications: dust mask if mists are generated. Have appropriate equipment available for use in emergencies such as spills or fire.

### Skin protection and other protective equipment:

Use gloves. Wear waterproof boots for prolonged contact with spills. Wash hand after use.

### Eye / face protection:

Wear protective chemical safety goggles to manipulate large quantities.

### 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 material.

**Permissible exposure levels:** For individual ingredient exposure levels, see Section 2.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Physical state, colour and odour:** Clear green liquid with floral scent.

**Odour threshold:** N/Av

**pH:** 6 - 8

**Boiling point:** Approximately 100 °C (212 °F)

**Melting/freezing point:** Approximately 0 °C (32 °F)

**Vapour pressure:** Approximately 20 mm Hg (water)

**Solubility in water:** Complete.

**Coefficient of oil/water distribution:** N/Av

**Specific gravity or density (water = 1, at 4 °C):** 1.0 g/cm<sup>3</sup>@ 20 °C (68 °F)

**Vapour density:** Approximately 0.6 (water)

**Evaporation rate:** Approximately 0.4 (water)

**% volatile by volume:** 0

**Viscosity:** Similar to water



## SECTION 10 - REACTIVITY AND STABILITY DATA

**Stability and reactivity:**

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

**Polymerisation:** Hazardous polymerization will not occur.

**Conditions to avoid:**

Avoid strong oxidizing agents.

**Materials to avoid:**

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

**Hazardous decomposition products:**

Oxides of carbon and sulphur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

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

**For more details, refer to Section 3.**

**Carcinogenicity:** No ingredient listed by IARC, ACGIH, NTP and OSHA as a possible carcinogen.

**Teratogenicity, mutagenicity, other reproductive effects:** N/Av

**Skin sensitization:** N/Av

**Respiratory tract sensitization:** N/Av

**Synergistic materials:** N/Av

**Other important hazards:** N/Av

## SECTION 12 - ECOLOGICAL INFORMATION

**Environmental effects:** Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms. The other components are unlikely to bio-accumulate.

**Important environmental characteristics:** Product is biodegradable.

**Aquatic toxicity:** There is no test data on this product.

## SECTION 13 - WASTE DISPOSAL

**Handling and storage conditions for disposal:**

Store material for disposal as indicated in Handling and Storage (Section 7).

**Methods of disposal:**

Dispose according to existing federal, provincial and municipal regulations.



**SECTION 14 - TRANSPORTATION INFORMATION**

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

Proper shipping name: Not Regulated  
Class: N/Ap  
Identification number: N/Ap  
Packing group: N/Ap  
Special case: N/Ap

**SECTION 15 - REGULATORY INFORMATION**

**WHMIS information:**

Product is not regulated according to the Controlled Product Regulation (CPR) in Canada. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

**WHMIS Classification:** Not regulated.

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

**Other information:**

**HMIS:** 0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe  
**Health Hazard:** 1  
**Fire Hazard:** 0  
**Reactivity:** 0  
**Personal Protection:** (See section 8.)  
**NFPA:** 0 Minimal 1 Slight 2 Moderate 3 Serious 4 Severe  
**Fire Hazard:** 0  
**Reactivity:** 0  
**Specific Hazard:** None

**SECTION 16 - OTHER INFORMATION**

**Prepared by:** Chemotec (PM) Inc.  
**Phone number:** (514) 729-6321  
**Date:** September 14, 2009

**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.



**Material Safety Data Sheet: SAFEBLEND BIO-ENZYMATIC GREASE DIGESTER AND DEODORIZING CLEANER, FLORAL**

**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                     |
| HSDB  | Hazardous Substance Data Bank                             |
| 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