



**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier/Trade name:** SAFEBLEND BIO-ENZYMATIC CLEANER & DEODORIZER  
**Product code/Internal Identification:** CCS SBBI  
**Product use/Description:** Bio-enzymatic cleaner & deodorizer  
**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
No hazardous ingredients				

**SECTION 3 - HAZARDS IDENTIFICATION**

**Emergency Overview**

Clear, fragrance free liquid. CAUTION. May cause slight eye, skin and respiratory irritation.

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

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

**Eye:** May cause slight irritation.

**Skin:** Direct, short-term skin contact may cause little or no irritation.

**Inhalation:** Prolonged breathing of a mist from the product may cause slight irritation.

**Ingestion:** May cause slight irritation, diarrhea, 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:** For further information, see TOXICOLOGICAL INFORMATION, Section 11.

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



#### SECTION 4 - FIRST AID MEASURES

**Eye contact:**

Immediately rinse with plenty of water for 15 minutes, keeping eyelids open. If irritation persists seek medical attention.

**Skin contact:**

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

**Inhalation:**

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

**Ingestion:**

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

#### SECTION 5 - FIRE FIGHTING MEASURES

**Fire hazards/conditions of flammability:**

Not flammable under normal handling conditions. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

**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, foam, dry chemicals, carbon dioxide.

**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 and other irritating gases.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Wear adequate personal protective equipment (See Section 8).

**Spill response/Cleanup:**

Stop the leak if you can do so without risk. Pump the product into drums or clean up spills using absorbent material and place in container. Resume cleaning by rinsing with water.

**Environmental precautions:**

Biodegradable.

**Prohibited materials:** N/Av

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



## SECTION 7 - HANDLING AND STORAGE

### Safe handling procedures:

Avoid contact with 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. Do not store with food products. Keep from freezing.

**Special packaging materials:** N/Ap

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering controls:

Normal ventilation.

### Respiratory Protection:

Not required under normal applications.

### Skin protection and other protective equipment:

Rubber gloves may be worn to avoid contact with product.

### 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 fragrance free liquid.

**Odour threshold:** N/Av

**pH :** 7-8

**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:** Not available

**Viscosity:** < 1000 cps @ 25 °C (77 °F)



## 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.

**Hazardous decomposition products:**

None.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Toxicological data:** ; 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:** None of the ingredients are teratogens or mutagenic

**Skin sensitization:** None of the ingredients are skin sensitizers.

**Respiratory tract sensitization:** None of the ingredients are respiratory sensitizers.

**Synergistic materials:** No known synergistic materials.

**Other important hazards:** N/Av

## SECTION 12 - ECOLOGICAL INFORMATION

**Environmental effects:** Not dangerous

**Important environmental characteristics:** Not dangerous.

**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**

**In Canada**

**WHMIS information:**

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 controlled under WHMIS

**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:** 2008-11-24

**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.



**Abbreviations:**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
cps	Centipoise
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