

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

Product identifier/Trade name: SAFEBLEND BIO-THYME NATURAL DISINFECTANT CLEANER
Product code/Internal Identification: CCS SRBP
Product use/Description: Ready to use cleaner and disinfectant
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
Thymol	89-83-8	0.15-0.25	N/Av.	N/Av.
Carvacrol	499-75-2	0.01-0.03	N/Av.	N/Av.

SECTION 3 - HAZARDS IDENTIFICATION**Emergency Overview**

Clear colourless liquid with spicy odour. CAUTION. May cause eye irritation.

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

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

Eye: Irritation.

Skin: Prolonged contact may produce dry skin, possibly irritation.

Inhalation: Throat irritation. Headaches, nausea, dizziness, drowsiness, anesthesia.

Ingestion: Ingestion of a large quantity can cause nausea, vomiting, abdominal pain, diarrhoea, anaesthesia, drowsiness, narcotic effect.

Long-term (chronic) exposure: Daily breathing of large quantities of vapour can produce drowsiness, dizziness, nausea, headache.

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

Inhalation:

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

Skin contact:

Rinse with water.

Eye contact:

Remove contact lenses if applicable. Rinse with plenty of water for several minutes, keeping eyelids open.

Ingestion:

Give plenty of water. Never give anything by mouth if the person is unconscious. Do not induce vomiting. 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:

Alcohol-resistant foam, dry chemicals, carbon dioxide.

Special fire-fighting procedures/equipment:

N/Av.

Hazardous combustion products:

Smoke, oxides of carbon and sulfur.

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 for disposal; or clean up spills using absorbent material and place in waste container for destruction. 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:

Inspect containers for leaks before handling. Label containers appropriately. Avoid inhaling vapours or mists. Avoid contact with eyes and clothing. Keep containers closed when not in use.

Storage requirements:

Store in a tightly sealed container, in a well ventilated room between 10° and 30° C. Do not store with food products. Keep from freezing.

Special packaging materials: N/Ap

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls:

No special ventilation usually required.

Respiratory Protection:

Not required under normal applications. In case of prolonged contact, or if engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. 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.

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 colourless liquid with spicy odour.

Odour threshold: N/Av

pH : 6.5-7.5

Boiling point: Approximately 100 °C

Melting/freezing point: Approximately 0 °C

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): 1.01 g/cm³@ 25 °C

Vapour density: Approximately 0.6 (water)

Evaporation rate: Approximately 0.4 (water)

% volatile by volume: Approximately 2

Viscosity: < 100 cps @ 25 °C



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:

No applicable information found.

Materials to avoid:

No applicable information found.

Hazardous decomposition products:

None.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data: The calculated LD₅₀ 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: Repeated or prolonged use may produce sensitization in some individuals.

Respiratory tract sensitization: N/Av

Synergistic materials: Solvents, soaps.

Other important hazards: N/Av

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects: 100% biodegradable in less than 14 days per OECD 301E method;

Important environmental characteristics: No additional information found.

Aquatic toxicity: not toxic to aquatic life defined as IC50 > 100 mg/L as measured by short-term sensitive toxicity test performed on the bacteria *Photobacterium phosphoreum*.

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:

Product is not regulated according to the Controlled Product Regulation (CPR) in Canada.

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: 2016-02-10

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	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