

MATERIAL SAFETY DATA SHEET

Concrobium Broad Spectrum Disinfectant

SECTION I: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Concrobium Broad Spectrum Disinfectant **PRODUCT USE:** Hard surface disinfectant.

MANUFACTURER: Siamons International Inc.

ADDRESS: 48 Galaxy Blvd, Suite 413
Toronto, Ontario
M9W 6C8

EMERGENCY : 1 866 811 4148

SECTION II: INGREDIENT INFORMATION

Ingredients	CAS#	Wt%	OSHA-TWA	ACGIH-TWA	LD ₅₀
Thymol	89-83-8	0.15-0.25%	Not applicable	Not Applicable	980 g/kg (Oral/Rat)

Non WHMIS regulated product.

SECTION III: HAZARDOUS IDENTIFICATION

Classified as Category IV by the U.S. Environmental Protection Agency per Toxicity Profile Review for all routes of exposure: no Signal Word, Precautionary Statements or First Aid Statements required on product label.

Eye Contact: EPA Category IV (minimal effects+)
Skin Contact: EPA Category IV (no irritation+)
Inhalation: EPA Category IV (>2 mg/L)
Ingestion: EPA Category IV (>5,000 mg/kg)
Dermal Sensitizer: EPA Category IV (not a sensitizer+)
Dermal Toxicity: EPA Category IV (>5,000 mg/kg)

Chronic Effects
Carcinogenicity: No ingredients listed IARC or NTP or ACGIC. Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity, Mutagenicity, Reproductive Effects: The ingredients in this product were found not to be mutagenic when tested by the Ames Assay, (OECD Guidelines for chemical testing, sec.471)

SECTION IV: FIRST AID MEASURES

If irritation occurs, rinse affected area thoroughly with cool water. If swallowed, drink plenty of water.

SECTION V: FIRE FIGHTING MEASURES

Flammability: Non-flammable.
Flash Point deg (C,TCC) : Not Applicable
Means of Extinction: As for surrounding fire.
Special Fire Hazards: As for surrounding fire.
Auto-ignition temperature: Not applicable.
Flame propagation or burning rate of solid: Not applicable.
Sensitivity to static discharge: Not applicable
Unusual Fire and Explosion Hazards. None expected. As per surrounding fire.
Hazardous Oxides of carbon, oxides of nitrogen and sulphur.

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decomposition products:

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered container. For large quantities, dispose of in accordance with local, provincial/ state or federal regulations.

SECTION VII: HANDLING AND STORAGE

Storage Requirements: Keep out of reach of children. Store in a closed container away from incompatible materials. Storage temperature (°C) Ambient to 30 °C (must be stored above 0 °C at all times) Transport temperature (°C) Ambient to 30 °C (must be stored above 0 °C at all times.) Keep container closed. Do not reuse empty containers.

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: None required.
Eye Protection: None required.
Respiratory Protection: None required.
Other Protective Equipment: As required by employer code.
Engineering Controls: General ventilation adequate.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	100	Specific Gravity (H₂O = 1):	1.000 at 23 C	Evaporation Rate (water=1):	Similar
% Volatile (Wt%):	Not determined	Solubility in water: Complete	Complete	pH:	8.0 - 9.0
Physical State:	Liquid	Viscosity: Water like to 100cps	Water like	VOC (Wt %)	< 1%
Appearance / Odor:	Transparent clear liquid with thyme and spicy odor. No added colorant				

SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable
Incompatible Materials: Strong oxidizing agents, strong acids.
Hazardous Decomposition Products: Oxides of carbon, Oxides of Nitrogen and sulphur when heated.

SECTION XI: TOXICOLOGICAL INFORMATION

Classified as Category IV by the U.S. Environmental Protection Agency per Toxicity Profile Review for all routes of exposure: no Signal Word, Precautionary Statements or First Aid Statements required on product label.

See Section II for LD₅₀ for thymol.

Acute Oral Toxicity	LD50: >5000 mg/Kg (EPA Category IV)
Acute Dermal Toxicity	LD50: >5000 mg/Kg (EPA Category IV)
Acute Inhalation Toxicity	LC50: >2.01 mg/L (EPA Category IV)
Acute Eye Irritation	Minimal, all effects cleared in 24 hours (EPA Category IV)
Acute Dermal Irritation	Slight, no erythema or edema at 72 hours (EPA Category IV)
Skin Sensitization	Not a sensitizer (EPA Category IV)

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SECTION XII: ECOLOGICAL INFORMATION

Biodegradability: Full formulation has been tested and is readily biodegradable under OECD 301 E. Possible hazardous short-term degradation products are unlikely and the products of degradation are less toxic than the original product.

Aquatic Toxicity: low aquatic toxicity.

Vibrio fischeri

Cl 50-5 min 560 mg/L

IC 95 %-5 min 500-600 mg/L

Cl 50-15 min 660 mg/L

IC 95 %-15 min 540-780 mg/L

SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance to all local, provincial/state and federal regulations.

SECTION XIV: TRANSPORTATION

T.D.G. Classification: Not regulated

D.O.T. Classification: Not regulated

SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety Regulations:

WHMIS Class: Not regulated.

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) and Canadian WHMIS regulations

EPA Registration number 87742-1

Toxic Substances Control Act (TSCA) All ingredients are registered on the Chemical Substances Inventory.

Canadian Domestic Substance List (DSL): All ingredients are registered on the DSL

SECTION XVI: OTHER INFORMATION

Date: July 31, 2012	Prepared By: Siamons International	Telephone: 1-866-811-4148
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Disclaimer: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material; have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST on Montreal, Quebec (514-873-3990).