

MATERIAL SAFETY DATA SHEET

Concrobium Broad Spectrum Disinfectant.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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

MANUFACTURER: Siamons International

ADDRESS: 48 Galaxy Blvd, unit#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.
Regulated by Health Canada as a hard surface disinfectant.

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry: Eye, skin contact, ingestion, inhalation.

Potential Health Effects:

Eye Contact: May cause irritation to eyes

Skin Contact: May cause irritation upon repeated/ prolonged contact. Possible skin permeator.

Inhalation: May cause slight nose, throat and respiratory tract irritation

Ingestion: May cause irritation to mouth, esophagus and stomach. May cause gastric tract disorder and/or damage.

Chronic Effects

Carcinogenicity: No ingredients listed IARC or NTP or ACGIC. Non hazardous by WHIMIS/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)

Skin: Repeated or prolonged exposures to dilutions can cause drying, defatting and dermatitis. Repeated or prolonged use may produce sensitization in some individuals.

SECTION IV: FIRST AID MEASURES

Eye Contact: Immediately flush with water for 15 minutes. Holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.

Skin Contact : Flush with water. Seek medical attention if irritation persists. Remove contaminated clothing and launder before reuse.

Inhalation: Move victim to fresh air. If conscious, have victim take deep, slow breaths. Seek medical attention if symptoms persist.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass of water. Seek medical attention. Do not give anything to victim if unconscious or convulsing.

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SECTION V: FIRE FIGHTING MEASURES

Flammability: Non flammable.
Flash Point deg (C,TCC) : Not Applicable

Means of Extinction: As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam
Special Fire Hazards: Fire fighters should wear self contained breathing apparatus as for surrounding fire.
Autoignition 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 decomposition products: Oxides of carbon, oxides of nitrogen and sulphur .

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Before attempting clean up, refer to the hazard data provided above. 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. For large spills prevent from entering sewers and waterways. For large spills provide diking to prevent spreading.

SECTION VII: HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in a closed container away from incompatible materials which include acids, oxidizing materials, reducing sugars and Ammonia Salts.
 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. Handle and open container with care. Store in a well ventilated place away from incompatible materials. Do not store near open flame.
 Do not reuse empty containers.

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Impervious gloves recommended.
Eye Protection: Splash goggles recommended if eye contact is possible.
Respiratory Protection: Not normally required if good ventilation is maintained
Other Protective Equipment: As required by employer code. Eye bath, safety shower, protective clothing.
Engineering Controls: General ventilation normally required

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 (as supplied):	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				

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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

See Section II for LD₅₀ for thymol.

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

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.
Regulated as hard surface disinfectant by Health Canada.
DIN: not yet available
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

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SECTION XVI: OTHER INFORMATION

Date: June 1 st , 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).