SAFETY DATA SHEET
Concrobium Broad Spectrum Disinfectant

Issuing Date: August 26, 2014
Revision Date: May 22, 2015
Revision Number: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier:
Product Name: Concrobium Broad Spectrum Disinfectant

Other Identification Means:
Synonyms: None

Use of Substance/Preparation and Restrictions:
Recommended Use: Disinfectant
Uses Advised Against: No information available

SDS Supplier Details:
Company Name: Siamons International Inc.
Company Identification: 48 Galaxy Blvd., Unit 413
Toronto, Ontario Canada
M9W 6C8

Company Emergency Telephone Number
Emergency Phone: 866 811 4148

2. HAZARDS IDENTIFICATION

Classification:
This product is not considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CER 1910.1200) and WHMIS 2015.

GHS Label Elements, including precautionary statement:

Emergency Overview:
The product contains no substances which at given concentration, are considered to be hazardous to health.

Appearance: Clear/Colourless
Physical State: Liquid
Odour: Thymol

Signal Word (GHS-US):
None

Hazard Pictograms (GHS-US):
None

Hazard Statements (GHS-US):
Causes mild skin irritation
May cause slight eye irritation.

Precautionary Statements (GHS-US) - Prevention:
None

Precautionary Statements (GHS-US) - Response:
None
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Precautionary Statements (GHS-US) - Storage:
None

Precautionary Statements (GHS-US) - Disposal:
None

Hazards not otherwise classified (HNOC):
None

Interactions with Other Chemicals:
None

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>% by Wt</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thymol</td>
<td>89-83-8</td>
<td>0.15-0.25%</td>
<td>Skin Irrit. 2 – H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2 – H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Toxicity 4 – H302</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First Aid Measures:

Eye Contact: Remove contacts. Flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.

Inhalation: Remove to fresh air. If symptoms persist consult physician.

Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.

Most Important symptoms and effects: No information available

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Flood with water for extinguishing agent. CO2, dry chemical, alcohol resistant foam

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical Hazardous Combustion Products Thermal decomposition releases irritating gases. Carbon Oxides.
Explosion Data:
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.
Protective Equipment and Precautions for Firefighters: Self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Personal Precautions: Do not get in eyes, on skin, or on clothing. Do not breathe mist.
Environmental Precautions:
Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:
Method for Containment: Contain any spills with dikes to prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely.

Procedures for Non-Emergency Personnel:
Protective Equipment: Use appropriate personal protection equipment (PPE).

Procedures for Emergency Personnel:
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.
Reference to Other Sections: See Heading 8. Exposure Controls and Personal Protection.

7. HANDLING AND STORAGE

Precautions for Safe Handling:
Handling: Ensure good ventilation/exhaustion at the workplace.
Information about fire and explosion protection: Keep respiratory protective device available.
Conditions for safe storage, including any incompatibilities:

Storage

Store in a cool location.
Keep container tightly closed.
Avoid storage near extreme heat, ignition sources or open flame.

Incompatible Products

None known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls:

Engineering Measures

Showers
Eyewash Stations
Ventilation Systems.

Individual Protection Measures:

Eye protection: Safety goggles.
Skin protection: Use body-covering impervious clothing.
Hand protection: Chemical resistant gloves.
Respiratory protection: Use local exhaust or dilution ventilation.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear, Colourless</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>Clear</td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>Thyme Oil</td>
<td></td>
</tr>
<tr>
<td>Odour Threshold</td>
<td></td>
<td>No information available.</td>
</tr>
<tr>
<td>pH</td>
<td>5.5 - 8.5</td>
<td>None known</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>Est 100 C / 212 F</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limit in Air:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Lower Limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.00 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble in water.</td>
<td>None known</td>
</tr>
<tr>
<td>Solubility Other Solvents</td>
<td>NO data available</td>
<td>None known</td>
</tr>
<tr>
<td>Partition Coefficient:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No date available</td>
<td>None known</td>
</tr>
<tr>
<td>Other Properties:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Softening Point</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>VOC Content %</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Particle Size</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Particle Size Distribution</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity: No data available
Chemical Stability: Stable under recommended storage conditions
Possibility of Hazardous Reactions: None under normal processing
Hazardous Polymerization: Does not occur.
Conditions to avoid: Incompatible agents
Incompatible materials: Oxidizing agents, acids.
Hazardous Decomposition Products: Carbon oxides.
Thermal Decomposition / Conditions to be avoided: Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information
Inhalation: Specific test data for substance/mixture not available
Eye Contact: Slight irritation
Skin Contact: Specific test data for substance/mixture not available
Ingestion: Specific test data for substance/mixture not available
Component Information:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thymol</td>
<td>980 mg/kg (rat)</td>
<td>&gt;2000 mg/kg (rat)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Information on Toxicological Effects:

Symptoms: None known

Delayed/Immediate/Chronic Effects from short and long term exposure:

- Sensitization: None known
- Mutagenic Effects: None known
- Carcinogenicity: No ingredients listed as a carcinogen
- Reproductive Toxicity: None known
- STOT - Single Exposure: None known
- STOT Repeated exposure: None known
- Chronic Toxicity: None known
- Target Organ Effects: None known
- Numerical Measures of Toxicity (based on GHS Chapter 3.1): Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not classified
Persistence and Degradability: No information available
Bioaccumulative Potential: No information available
Mobility in Soil: No information available
Other Adverse Effects: No information available
Other Information: Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste. If chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Disposal Methods:

- California Hazardous Waste Codes: 232
- Contaminated Packaging: Dispose of contents.containers in accordance with local regulations.
### 13. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT:</th>
<th>Not Regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>TDG</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>MEX</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>ICAO</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>IATA:</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>IMDG/IMO:</td>
<td></td>
</tr>
<tr>
<td>Hazard Class</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>RID</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>ADR</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>ADN</td>
<td>Not Regulated</td>
</tr>
</tbody>
</table>

### 15. REGULATORY INFORMATION

**International Inventories:**

<table>
<thead>
<tr>
<th>TSCA</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL</td>
<td>All components are listed either on the DSL or NDSL</td>
</tr>
</tbody>
</table>

TSCA – Untied States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List.

**Canadian Regulations:**

<table>
<thead>
<tr>
<th>Canadian WHMIS Classification</th>
<th>Not WHMIS regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Canada DIN</td>
<td>Registered.</td>
</tr>
<tr>
<td>Canadian DSL</td>
<td>Appears.</td>
</tr>
</tbody>
</table>

**US Federal Regulations:**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories:**

<table>
<thead>
<tr>
<th>Acute Health Hazard</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>
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CWA (Clean Water Act)
This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material does not contain any substances which are regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERLA) (40 CFR 302)

US State Regulations:
California Proposition 65
This product does not contain any Proposition 65 Chemicals.

US State Right-To-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Rhode Island</th>
<th>Illinois</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thymol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical Hazard</th>
<th>Physical and Chemical Hazards – Personal Protections</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>n/a</td>
</tr>
<tr>
<td>HMIS</td>
<td>1</td>
<td>0</td>
<td>n/a</td>
<td>0</td>
</tr>
</tbody>
</table>

HMIS III Rating
Health: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability: 0 Minimal Hazard
Physical: 0 Minimal Hazard
Personal Protection: B

Prepared By: Lizmar
32 Louisa Street
Toronto Ontario
M8V 2K6
416-436-5054

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Revision Note: Format changes only.
Disclaimer:
The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet