

SAFETY DATA SHEET

SECTION 1 : PRODUCT IDENTIFICATION

Product Name : THYMOL-D
Product Use : Surface Disinfectant

Supplier: Harvard Chemical Research, Inc.
Address : 3595 Zip Industrial Blvd. Atlanta, GA 30354
Telephone : (404) 761-0657
Emergency phone: (800) 424-9300
E-Mail: sales@hconline.com
Web site: www.hconline.com

SECTION 2 : HAZARD IDENTIFICATION

WHMIS Class : Exempt
TSCA: All the ingredients are listed or exempt from listing on the Chemical Substance Inventory.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Ingredients</u> | <u>CAS#</u> | <u>Wt %</u> | <u>TLV</u> | <u>LC₅₀</u> | <u>LD₅₀</u> |
|--------------------|-------------|-------------|------------|------------------------|------------------------|
| Thymol | 89-83-8 | 0.23 | N/A | N/A | 980 mg/Kg (oral, rat) |

SECTION 4 : FIRST AID MEASURES

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

Skin: Rinse with water. Remove spoiled clothes and wash before wearing.

Inhalation : N/A

Ingestion: Seek medical attention if large quantities are ingested.

SECTION 5 : FIRE FIGHTING MEASURES

Flammability : No

Flash Point (ASTM D-93, °C) : >100

Hazardous Combustion Products: Carbon oxides, sulfur oxides.

Suitable extinguishing media: As per surrounding fire.

Special Fire Fighting Procedure: As per surrounding fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Stop leak, Rinse to drain or absorb with non-reactive adsorbent and dispose according to existing federal, state, provincial and municipal regulations. Resume cleaning by rinsing with water.

SECTION 7 : HANDLING AND STORAGE

Handling: Follow standard safe handling of materials. Keep out of reach of children.

Storage Requirements: Keep in original tightly closed containers, in a room below 30 °C.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Follow standard safe handling of materials.

SECTION 9 : PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°C) : 100

Vapor Pressure (mm Hg) : N/A

Vapor Density (Air = 1) : N/A

Solubility in water : complete

Physical State : liquid

Appearance: clear, colorless

Odor: Grapefruit/Lemongrass

Density (g/mL): 0.999 at 23 °C

VOC (Wt %) : calculated approx. <1%

Evaporation Rate (Water + 1) : water like

pH (as supplied) : 7.0 to 8.5

Viscosity : water like

Odor Threshold (ppm) : N/A

SECTION 10 : STABILITY AND REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Conditions to Avoid: Excessive heat.

Incompatible Materials: Strong oxidizing agents, strong alkalis, strong acids.

Hazardous Decomposition Products: The thermal decomposition can produce carbon and sulfur oxides and other organic substances.

SECTION 11 : TOXICOLOGICAL INFORMATION

Routes of Entry: Eyes, skin, ingestion, inhalation.

EFFECTS OF ACUTE EXPOSURE :

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).

Classified as a Category IV by the U.S. Environmental Protection Agency (EPA) per toxicity profile Review for all routes of exposure: no signal words, no precautionary statements or first aid statements required on product label.

EFFECTS OF CHRONIC EXPOSURE :

Irritancy: Frequent prolonged contact may result in dry skin, redness and dermatitis.

Carcinogenicity/Mutagenicity: No, not predictable.

SECTION 12 : ECOLOGICAL INFORMATION

Biodegradability: Readily Biodegradable (OECD 301E)

Aquatic toxicity: Not toxic to aquatic life (IC50 > 100 mg/L, report EPS 1 / RM / 24)

Method: Microtox[®] Acute Toxicity Test

Test organism: *Vibrio fischeri*

Results:

| | |
|----------------|--------------|
| CI 50-5 min | 560mg/l |
| IC 95 %-5 min | 500-600 mg/L |
| CI 50-15 min | 660 mg/L |
| IC 95 %-15 min | 540-780 mg/L |

UL EcoLogo : Certification awarded (Disinfectant Category UL2794)

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose according to existing federal, state/provincial and municipal regulations. This product is biodegradable.

SECTION 14 : TRANSPORT INFORMATION

D.O.T. Not regulated as dangerous goods.
Not regulated for **IATA**.

SECTION 15 : REGULATORY INFORMATION

U.S. EPA registration: 87742-1-61524
Health-Canada DIN: 02390035 (Thymox EXT)
NSF Registration No. 150508

SECTION 16 : OTHER INFORMATION

SDS Date of preparation/revision: 2015-01-01
SDS Expiry Date: 2018-01-01
Prepared by: Harvard Chemical Research
Phone : 1-404-761-0657

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 control of the 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 or consequential damages which may result from the use of or reliance on any information contained in this form.