

# SAFETY DATA SHEET

## THYMOL, 98+%

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Thymol, 98+%  
**Catalog Numbers:** SO-1216  
**Company Identification:** ROWLEY BIOCHEMICAL  
10 ELECTRONICS AVENUE  
DANVERS, MA 01923  
**For information, call:** 978-739-4883  
**Emergency Number:** 800-424-9300  
**For CHEMTREC assistance, call:** 800-424-9300

### Section 2 - Hazards Identification

## GHS Classifications

### HEALTH HAZARDS

**H302-Acute Oral Toxicity:** 4  
**H310-Acute Dermal Toxicity:** 1C  
**H314-Skin Corrosion/Skin Irritation:** 1C  
**H318-Eye damage/Irritation:** 1

### PHYSICAL HAZARDS

### ENVIRONMENTAL HAZARDS

**H402-Aquatic acute environmental Hazards:** 3  
**H410-Chronic environmental Hazards:** 1

Pictograms or Hazard symbols and Hazard statement.



Harmful if swallowed.  
May be harmful in contact with skin.  
Toxic to aquatic life.



Cause severe skin burns and eye damage.

Cause serious eye damage.



Toxic to aquatic life with long lasting effects.

### **Precautionary Statement Prevention**

#### H302

**P264** Wash thoroughly after handling.

**P270** Do not eat, drink, or smoke when using this product.

**P301 + P312** If swallowed, call a physician if you feel unwell.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**P330** Rinse mouth.

**P262** Do not get in eyes, on skin, or on clothing.

**P264** Wash thoroughly after handling.

**P270** Do not eat, drink, or smoke when using this product

**P280** Wear protective gloves, clothing, and eye and face protection

**P302 + P350 IF ON SKIN:** Gently wash with plenty of soap and water.

**P310** Seek medical assistance if exposed.

**P361 + P363** Take off immediately all contaminated clothing and wash it before reuse.

**P405** Store locked up.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**P260** Do not breathe fume/gas/mist/vapors.

**P264** Wash thoroughly after handling.

**P280** Wear protective gloves, clothing, and eye and face protection.

**P301 + P330 + P331** If swallowed, rinse mouth. Do not induce vomiting.

**P303 + P361 + P353** If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water.

**P363** Wash contaminated clothing before reuse.

**P304 + P340** If inhaled, remove person to fresh air and keep comfortable for breathing.

**P310** Seek medical assistance if exposed.

**P405** Store locked up.

**P305 + P351 + P338** If in eyes, rinse cautiously with water for several minutes.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

H318

**P280** Wear eye and face protection.

**P305 + P351 + P338** If in eyes, rinse cautiously with water for several minutes.

**P337 + P313** If eye irritation persists, get medical advice/attention.

H402

**P273** Avoid release to the environment.

H410

**P273** Avoid release to the environment.

**P391** Collect spillage.

Section 3 - Composition, Information on Ingredients
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CAS#	Chemical Name	Percent
89-83-8	Thymol	98+%

Section 4 - First Aid Measures
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**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Oral Exposure:** If Swallowing seek immediate medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures
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Firefighters should wear proper protective clothing and self-contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**NFPA Rating:** (estimated) Health: 2; Flammability: 1; Instability: 1

## Section 6 - Accidental Release Measures

### **Procedure(s) of Personal Precaution(s):**

Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

## Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials. Store away from oxidizing agents.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### **Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Crystalline

**Appearance:** White Crystal

**Odor:** Phenol-like

**pH:** 5-7

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** 231-233°C

**Flash Point:** 102°C

**Ignition temperature:** 285°C

**Solubility:** with water at 25°C

**Density:** 20°C

**Melting point:** 49-52°C

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under ordinary conditions of use and storage. Heat and sunlight can contribute to instability.

**Conditions to Avoid:** Heat, freezing.

**Incompatibilities with Other Materials:** Oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** Carbon monoxide and carbon dioxide.

## Section 11 - Toxicological Information

Swallowing will lead to a strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

**RTECS#:**

**LD50/LC50:**

CAS# 89-83-8:

Guinea pig oral LD50: 300 mg/kg.

Rat dermal LD50: 2000 mg/kg

**Carcinogenicity:**

CAS# 89-83-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

## Section 12 - Ecological Information

**Ecotoxicity:**

**CAS# 89-83-8.** This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

**Environmental:** Do not allow product to reach ground water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Do not allow material to be released to the environment without proper governmental permits. Toxic for aquatic organisms.

**Physical:** No information available.

**Other:** No information available.

## Section 13 - Disposal Considerations

**Appropriate method of disposal of substance or preparation:**

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

## Section 14 – Transport Information

### DOT



**Hazard class:** 8

**Identification number:** UN2430

**Packing group:** III

**Proper shipping name (technical name):** Alkylphenols, Solid, n.o.s.

**Label:** 8

### Land transport ADR/RID (cross-border)



**ADR/RID class:** 8 (C 4) Corrosive substances

**Danger code (kemler):** 80

**UN number:** 2430

**Packaging group:** III

**Special marking:** Symbol (fish and tree)

**UN proper shipping name:** 2430 Alkylphenols, solid, n.o.s.

### Maritime transport IMDG:



**IMDG class:** 8

**UN number:** 2430

**Label:** 8

**Packaging group:** III

**Marine pollutant:** yes (P)

**UN proper shipping name:** 2430 Alkylphenols, solid, n.o.s.

### Air transport ICAO-TI and IATA-DGR:



**ICAO/IATA Class:** 8  
**UN/ID Number:** 2430  
**Label:** 8  
**Packaging group:** III  
**UN proper shipping name:** 2430 Alkylphenols, solid, n.o.s.

## Section 15 - Regulatory Information

### Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

### European/International Regulations

#### European Labeling in Accordance with EC Directives

##### Hazard symbols:

C corrosive  
N dangerous for the environment

##### Risk Phrases:

R22 Harmful by inhalation, in contact with skin and if swallowed  
R36/38 Irritating to eyes and skin

##### Safety Phrases:

S20/21 When using do not eat, drink or smoke  
S2 Keep out of the reach of children.  
S 7 Keep container tightly closed.  
S 9 Keep container in a well-ventilated place

## Section 16 - Additional Information

**MSDS Creation Date:** 11/1/12

**Revision #1. 5/28/14 YM**

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