



# THYMOL CRYSTALS

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Issue date: 05/03/2019

Revision date: 07/16/2024

Supersedes: 05/19/2020

Version: 1.2

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Substance  
Substance name : THYMOL CRYSTALS  
Chemical name : THYMOL  
CAS-No. : 89-83-8  
Product code : 50-3530-01  
Product group : Trade product

#### 1.2. Recommended use and restrictions on use

#### 1.3. Supplier

The Lebermuth Company  
4004 Technology Drive  
46628 South Bend, IN - United States  
T 574-259-7000 - F 574-258-7450  
[info@lebermuth.com](mailto:info@lebermuth.com) - [www.lebermuth.com](http://www.lebermuth.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300  
CCN 13010

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS CA)

Acute toxicity (oral) H302  
Category 4  
Skin corrosion/irritation H314  
Category 1B  
Serious eye  
damage/eye irritation H318  
Category 1

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) :

Danger

Hazard statements (GHS CA) :

H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS CA) :

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
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 .  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P330 - Rinse mouth.  
P363 - Wash contaminated clothing before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in

# THYMOL CRYSTALS

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS CA)

No data available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Custom name : THYMOL  
CAS-No. : 89-83-8  
EC-No. : 201-944-8  
EC Index-No. : 604-032-00-1

Name	Chemical name/Synonyms	Product identifier	%	Classification (GHS CA)
THYMOL		(CAS-No.) 89-83-8	100	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.  
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.  
First-aid measures general : Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.  
Symptoms/effects after skin contact : Burns.  
Symptoms/effects after eye contact : Serious damage to eyes.  
Symptoms/effects after ingestion : Burns.

### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.3. Specific hazards arising from the hazardous product

Fire hazard : No fire hazard.  
Explosion hazard : No direct explosion hazard.

### 5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

# THYMOL CRYSTALS

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

#### 6.2. Methods and materials for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

Packaging materials : Store always product in container of same material as original container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

##### Personal protective equipment symbol(s):



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : No data available

Color : COLORLESS, WHITE OR PALE YELLOW CRYSTALS

Odor : POWERFUL, SWEET-MEDICINAL, HERBACEOUS, THYME ODOR

Odor threshold : No data available

# THYMOL CRYSTALS

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: 93 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability	: Non flammable.
Vapor pressure	: No data available
Vapor pressure at 50°C	: No data available
Relative density	: 0 (0 – 0)
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosion limits	: Not applicable

### 9.2. Other information

Refractive index	: 0 (0 – 0)
------------------	-------------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

THYMOL CRYSTALS (89-83-8)	
LD50 oral	980 mg/kg
ATE CA (oral)	980 mg/kg body weight

Thymol (89-83-8)	
LD50 oral	980 mg/kg
ATE CA (oral)	980 mg/kg body weight

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Reproductive toxicity	: Not classified
-----------------------	------------------

STOT-single exposure	: Not classified
----------------------	------------------

	: Not classified
--	------------------

STOT-repeated exposure	
------------------------	--

Aspiration hazard	: Not classified
-------------------	------------------

THYMOL CRYSTALS (89-83-8)	
Viscosity, kinematic	Not applicable

# THYMOL CRYSTALS

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. Before neutralisation, the product may represent a danger to aquatic organisms.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone	: Not classified
-------	------------------

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

#### Transportation of Dangerous Goods

UN-No. (TDG)	: UN2430
Packing group (TDG)	: II - Medium Danger
TDG Primary Hazard Classes	: 8 - Class 8 - Corrosives
Transport document description (TDG)	: UN2430 ALKYLPHENOLS, SOLID, N.O.S. (Thymol), 8, II
Proper Shipping Name (TDG)	: ALKYLPHENOLS, SOLID, N.O.S. (Thymol)

Hazard labels (TDG)	: 8 - Corrosives
---------------------	------------------



Explosive Limit and Limited Quantity Index	: 1 kg
Excepted quantities (TDG)	: E2
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 15 kg

#### 14.2. Transport information/DOT

# THYMOL CRYSTALS

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### Department of Transport

DOT NA No	: UN2430
UN-No.(DOT)	: 2430
Packing group (DOT)	: II - Medium Danger
Transport document description (DOT)	: UN2430 Alkylphenols, solid, n.o.s. (Thymol), 8, II
Proper Shipping Name (DOT)	: Alkylphenols, solid, n.o.s. (Thymol)
Contains Statement Field Selection (DOT)	:
Class (DOT)	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Division (DOT)	: 8
Hazard labels (DOT)	: 8 - Corrosive



Marine pollutant	: NO
Dangerous for the environment	: No
DOT Special Provisions (49 CFR 172.102)	: IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP2 - When IBCs other than metal or rigid plastics IBCs are used, they must be offered for transportation in a closed freight container or a closed transport vehicle. IP4 - Flexible, fiberboard or wooden IBCs must be sift-proof and water-resistant or be fitted with a sift-proof and water-resistant liner. T3 - 2.65 178.274(d)(2) Normal..... 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 212
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 15 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 50 kg
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number	: 153
Other information	: No supplementary information available.

### 14.3. Air and sea transport

#### IMDG

UN-No. (IMDG)	: 2430
Proper Shipping Name (IMDG)	: ALKYLPHENOLS, SOLID, N.O.S.
Transport document description (IMDG)	: UN 2430 ALKYLPHENOLS, SOLID, N.O.S. (Thymol), 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: II - substances presenting medium danger

#### IATA

UN-No. (IATA)	: 2430
Proper Shipping Name (IATA)	: Alkylphenols, solid, n.o.s.

# THYMOL CRYSTALS

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Transport document description (IATA) : UN 2430 Alkylphenols, solid, n.o.s. (Thymol), 8, II, ENVIRONMENTALLY HAZARDOUS  
Class (IATA) : 8 - Corrosives  
Packing group (IATA) : II - Medium danger

### SECTION 15: Regulatory information

#### 15.1. National regulations

##### THYMOL CRYSTALS (89-83-8)

Listed on the Canadian DSL (Domestic Substances List)

##### Thymol (89-83-8)

Listed on the Canadian DSL (Domestic Substances List)

#### 15.2. International regulations

##### THYMOL CRYSTALS (89-83-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Thymol (89-83-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### SECTION 16: Other information

SDS Major/Minor : None  
Issue date : 05/03/2019  
Revision date : 07/16/2024  
Supersedes : 05/19/2020

Full text of H-phrases:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

SDS Canada (GHS) - Lebermuth

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*