(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**

Version 1 Date of compilation: 11/04/2016

Page 1 of 10 Print date: 22/09/2023 Version 4 (replaces version 3) Revision date: 21/09/2023

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

#### 1.1 Product identifier.

Product Name: **THYMOL** Product Code: 90722 Chemical Name: thymol Index No: 604-032-00-1 CAS No: 89-83-8 EC No: 201-944-8

Registration No: 01-2119511177-46-XXXX

## 1.2 Relevant identified uses of the substance or mixture and uses advised against.

Laboratory reagents. Manufacture of chemicals. See technical sheet to know the specific uses.

## Uses advised against:

Uses other than those recommended.

#### 1.3 Details of the supplier of the safety data sheet.

**GUINAMA** Company: Address: C/ Oslo Nº3

City: 46185 La Pobla de Vallbona

Province: Valencia

Telephone: +34961869090 / 902119816

Fax: +34961850352 E-mail: ventas@guinama.com Web: www.guinama.com

1.4 Emergency telephone number: +34961869090 / 902119816 (Only available during office hours; Monday-Friday; 08:00-

18:00)

# **SECTION 2: HAZARDS IDENTIFICATION.**

# 2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

Acute Tox. 4: Harmful if swallowed.

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects. Skin Corr. 1B: Causes severe skin burns and eye damage.

### 2.2 Label elements.

# Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:







## Signal Word:

## **Danger**

Hazard statements:

H302 Harmful if swallowed.

Causes severe skin burns and eye damage. H314 H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements:

Do not breathe dust/fume/gas/mist/vapours/spray. P260

P264 Wash ... thoroughly after handling.

(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**

Version 1 Date of compilation: 11/04/2016

Page 2 of 10 Print date: 22/09/2023 Version 4 (replaces version 3) Revision date: 21/09/2023

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

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

P301+P312 IF SWALLOWED: Call a POISON CENTER/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 [or

shower].

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.

Immediately call a POISON CENTER/doctor/... P310 P321 Specific treatment (see ... on this label). P330 Rinse mouth. P363 Wash contaminated clothing before reuse.

P391 Collect spillage. P405 Store locked up.

P501 Dispose of contents/container to ...

#### 2.3 Other hazards.

The substance is not PBT The substance is not vPvB

Substance does not have endocrine disrupting properties.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.**

#### 3.1 Substances.

	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
Identifiers			Classification	Specifics concentration limits and Acute toxicity estimate
Index No: 604-032- 00-1 CAS No: 89-83-8 EC No: 201-944-8	thymol	25 - 100 %	Acute Tox. 4 *, H302 - Aquatic Chronic 2, H411 - Skin Corr. 1B, H314	-

<sup>\*</sup> See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

# 3.2 Mixtures.

Not applicable.

# **SECTION 4: FIRST AID MEASURES.**

### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

## Eye contact.

Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Dont let the person to rub the affected eye.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners. The use of personal protective equipment is recommended for people providing first aid (see section 8).

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

-Continued on next page.-

(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**



Version 4 (replaces version 3) Revision date: 21/09/2023 Print date: 22/09/2023



Page 3 of 10

#### 4.2 Most important symptoms and effects, both acute and delayed.

Corrosive Product, contact with eyes or skin can cause burns; ingestion or inhalation can cause internal damage, if this occurs immediate medical assistance is required.

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

#### 4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Do not induce vomiting. If the person vomits, clear the respiratory tract.

## **SECTION 5: FIREFIGHTING MEASURES.**

The product does not present any particular risk in case of fire.

## 5.1 Extinguishing media.

## Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

## **Unsuitable extinguishing media:**

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

## 5.2 Special hazards arising from the substance or mixture.

#### Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

## 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment.

## Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES.**

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

For exposure control and individual protection measures, see section 8.

# 6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

# 6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

#### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

## **SECTION 7: HANDLING AND STORAGE.**

#### 7.1 Precautions for safe handling.

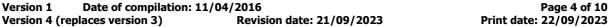
For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**







Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

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

Store according to local legislation. Observe indications on the label. Store the containers between 15 and 25 ° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III):

		Qualifying quantity (tonnes) for the application of	
Code	Description	Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS - Hazardous to the Aquatic Environment in Category Chronic 2	200	500

#### 7.3 Specific end use(s).

Not available.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.**

#### 8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values. Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Туре	Value
thymol	DNEL (Workers)	Inhalation, Chronic, Local effects	1 (mg/m³)
CAS No: 89-83-8 EC No: 201-944-8	DNEL (Workers)	Inhalation, Chronic, Systemic effects	117 (mg/m³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

# 8.2 Exposure controls.

# Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %		
Uses:	Laboratory reagents. Manufacture of chemicals. See technical sheet to know the specific uses.		
<b>Breathing protecti</b>	on:		
PPE:	Filter mask for protection against gases and particles.		
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.		
CEN standards:	EN 136, EN 140, EN 405		
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.		
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.		
Filter Type needed:	A2		
Hand protection:			
PPE:	Non-disposable protective gloves against chemicals.		

(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**

Version 1 Date of compilation: 11/04/2016

Version 4 (replaces version 3) Revision date: 21/09/2023

«CE» marking, category III. Check the list of chemicals for which the glove has Characteristics:

been tested.

CEN standards: EN 374-1, En 374-2, EN 374-3, EN 420

A schedule for the periodical replacement of gloves should be established in order to guarantee their

Maintenance: replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous

than not using gloves, since the pollutant can gradually accumulate in the glove's material.

They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could Observations:

reduce their strength.

Breakthrough time Material thickness 0,35 Material: PVC (polyvinyl chloride) > 480 (min.): (mm):

Eye protection:

If the product is handled correctly, no individual protection equipment is necessary.

Skin protection:

Observations:

PPE: Chemical protective clothing

«CE» marking, category III. Clothing should fit properly. The level of protection Characteristics: must be set according to a test parameter called BT (Breakthrough Time), which

indicates how long it takes for the chemical to pass through the material. EN 464,EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034 CEN standards:

In order to guarantee uniform protection, follow the washing and maintenance instructions provided by Maintenance:

the manufacturer.

The protective clothing's design should facilitate correct positioning, staying in place without moving for

the period of use expected, bearing in mind environmental factors as well as any movement or position

the user might adopt while carrying out the activity.

PPF. Anti-static safety footwear against chemicals.

«CE» marking, category III. Check the list of chemicals against which the footwear Characteristics:

is resistant

EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO CEN standards:

20345

For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions Maintenance:

specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is

observed.

The footwear should be cleaned regularly and dried when damp, although it should not be placed too Observations:

close to a source of heat in order to avoid any sharp changes in temperature.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.**

# 9.1 Information on basic physical and chemical properties.

Physical state: Not applicable/Not available due to the nature/properties of the product

Colour: colorless to white Odour: characteristic

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: 49,7 °C

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: 233 °C Flammability: he substance or mixture is not classified as flammable

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: 107 °C

Auto-ignition temperature: the substance or mixture is not classified as self-heating °C

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product

pH: 6,3

Kinematic viscosity: 4,3 mm2/s

Solubility: Not applicable/Not available due to the nature/properties of the product

Hvdrosolubility: 0,8-0,98 g/l

Liposolubility: Not applicable/Not available due to the nature/properties of the product

Partition coefficient n-octanol/water (log value): 3,3

Vapour pressure: 0,22 hPa to 25°

Absolute density: Not applicable/Not available due to the nature/properties of the product

Relative density: 0,97

Relative vapour density: <1500 kg/m3

Particle characteristics: Not applicable/Not available due to the nature/properties of the product

#### 9.2 Other information

Information with regard to physical hazard classes

Page 5 of 10 Print date: 22/09/2023

(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**

Version 1 Date of compilation: 11/04/2016

Version 4 (replaces version 3) Revision date: 21/09/2023 Print date: 22/09/2023



Explosive properties: because of its structure the product is not classified as explosive 1,4-7,7%

## **SECTION 10: STABILITY AND REACTIVITY.**

## 10.1 Reactivity.

The product does not present hazards by their reactivity.

#### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

# 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

#### 10.4 Conditions to avoid.

Avoid any improper handling.

### 10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

#### 10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

#### **SECTION 11: TOXICOLOGICAL INFORMATION.**

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008.

There are no tested data available on the product.

Splatters in the eyes can cause irritation and reversible damage.

a) acute toxicity;

Product classified:

Acute toxicity (Oral), Category 4: Harmful if swallowed.

b) skin corrosion/irritation;

Product classified:

Skin Corrosive, Category 1B: Causes severe skin burns and eye damage.

c) serious eye damage/irritation;

Not conclusive data for classification.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Not conclusive data for classification.

h) STOT-single exposure;

Not conclusive data for classification.

i) STOT-repeated exposure;

Not conclusive data for classification.

j) aspiration hazard;

Not conclusive data for classification.

# 11.2 Information on other hazards.

**Endocrine disrupting properties** 



(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**



Page 7 of 10 Print date: 22/09/2023 Version 4 (replaces version 3) Revision date: 21/09/2023



#### Other information

There is no information available on other adverse health effects.

# **SECTION 12: ECOLOGICAL INFORMATION.**

#### 12.1 Toxicity.

No information is available regarding the ecotoxicity.

### 12.2 Persistence and degradability.

No information is available regarding the biodegradability

No information is available on the degradability

No information is available about persistence and degradability of the product.

#### 12.3 Bioaccumulative potential.

Information about the bioaccumulation.

Name		Bioaccumulation			
		Log Pow	BCF	NOECs	Level
thymol		33	_	_	Vony high
CAS No: 89-83-8	EC No: 201-944-8	33	-	-	Very high

#### 12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

#### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

## 12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

# 12.7 Other adverse effects.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

No information is available about other adverse effects for the environment.

#### **SECTION 13: DISPOSAL CONSIDERATIONS.**

# 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

## **SECTION 14: TRANSPORT INFORMATION.**

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG. Transport documentation: Bill of lading Air: Transport by plane: ICAO/IATA. Transport document: Airway bill.

(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**

Version 1 Date of compilation: 11/04/2016

Page 8 of 10 Print date: 22/09/2023 Version 4 (replaces version 3) Revision date: 21/09/2023



UN No: UN2430

## 14.2 UN proper shipping name.

Description:

ADR/RID: UN 2430, ALKYLPHENOLS, SOLID, N.O.S. (CONTAINS THYMOL), 8, PG III, (E)

IMDG: UN 2430, ALKYLPHENOLS, SOLID, N.O.S. (CONTAINS THYMOL), 8, PG III, MARINE POLLUTANT

UN 2430, ALKYLPHENOLS, SOLID, N.O.S. (CONTAINS THYMOL), 8, PG III ICAO/IATA:

## 14.3 Transport hazard class(es).

Class(es): 8

# 14.4 Packing group.

Packing group: III

## 14.5 Environmental hazards.

Marine pollutant: Yes



Dangerous for the environment

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-A,S-B

#### 14.6 Special precautions for user.

Labels: 8



Hazard number: 80

Provisions concerning carriage in bulk ADR:

VC1 Carriage in bulk in sheeted vehicles, sheeted containers or sheeted bulk containers is permitted. VC2 Carriage in bulk in closed vehicles, closed containers or closed bulk containers is permitted.

AP7 Carriage in bulk shall only be as a full load.

Proceed in accordance with point 6.

ADR LQ: 5 kg IMDG LQ: 5 kg ICAO LQ: 5 kg

# 14.7 Maritime transport in bulk according to IMO instruments.

The product is not transported in bulk.

# **SECTION 15: REGULATORY INFORMATION.**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

#### 15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**

Version 1 Date of compilation: 11/04/2016

Version 4 (replaces version 3) Revision date: 21/09/2023



Page 9 of 10

Print date: 22/09/2023

#### **SECTION 16: OTHER INFORMATION.**

## Classification codes:

Acute Tox. 4: Acute toxicity (Oral), Category 4

Aquatic Chronic 2: Chronic effect to the aquatic environment, Category 2

Skin Corr. 1B: Skin Corrosive, Category 1B

### Changes regarding to the previous version:

- Changes in the information of the supplier (SECTION 1.3).
- Addition of precautionary statements/hazard statements/pictograms/signal word (SECTION 2.2).
- Modification of specific hazards (SECTION 2.3).
- Modification in the firefighting measures (SECTION 5.2).
- Modifications in the accidental release measures (SECTION 6.1).
- Modifications in the accidental release measures (SECTION 6.2).
- Modification in the values of the physical and chemical properties (SECTION 9).
  Modification of the information of the stability and reactivity conditions (SECTION 10.6).
- Change in the hazard classification (SECTION 11.1).
- Addition of ecological information values (SECTION 12.3).
- Modification of the classification ADR/IMDG/ICAO/IATA/RID (SECTION 14).
- Addition of abbreviations and acronyms (SECTION 16).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards On basis of test data Health hazards Calculation method **Environmental hazards** Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

## Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No	Name	State
89-83-8	thymol	Registered

## Risk classification system NFPA 704:



Health hazard: 3 (Extreme Danger)

Flammability: 0 (Will not burn)

Reactivity: 0 (Stable)

Specific hazard: COR (Corrosive)

Abbreviations and acronyms used:

ADR/RID: Agreement concerning the International Carriage of Dangerous Goods by Road.

BCF: Bioconcentration factor.

European Committee for Standardization. CEN:

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be

considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not

anticipated.

(in accordance with Regulation (EU) 2020/878)

# **90722-THYMOL**

Version 1 Date of compilation: 11/04/2016 Page 10 of 10 Version 4 (replaces version 3) Revision date: 21/09/2023 Print date: 22/09/2023

EC50: Half maximal effective concentration.
 PPE: Personal protection equipment.
 IATA: International Air Transport Association.
 ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

NOEC: No observed effect concentration.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data: http://eur-lex.europa.eu/homepage.html

http://echa.europa.eu/ Regulation (EU) 2020/878. Regulation (EC) No 1907/2006. Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.