



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Trade name: **Pongamol**

Article number: 83225

CAS Number:

484-33-3

ELINCS Number:

414-540-3

Index number:

606-084-00-0

Registration number 01-0000016157-71-0000

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

No further relevant information available.

Application of the substance / the preparation: Reference substance

1.3 Details of the supplier of the safety data sheet:

Manufacturer/Supplier:

PhytoLab GmbH & Co. KG

Dutendorfer Str. 5-7

D-91487 Vestenbergsgreuth

Tel.: Germany/9163/88-327

Fax: Germany/9163/88-456

Mail: ref-substances@phytolab.de

Further information obtainable from: PLV\_MSDS@phytolab.com

1.4 Emergency telephone number: Germany/9163/88-500

### SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008:



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS09

Signal word: Warning

(Contd. on page 2)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

Trade name: **Pongamol**

(Contd. of page 1)

**Hazard statements:**

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.

P391 Collect spillage.

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

**2.3 Other hazards:**

Restricted to professional users. The toxicological properties of this compound have not been fully evaluated.

**Results of PBT and vPvB assessment:**

PBT: Not applicable.

vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Synonyms: 1-(4-methoxy-5-benzofuranyl)-3-phenyl-1,3-propanedione

Molecular formula: C<sub>18</sub>H<sub>14</sub>O<sub>4</sub>

CAS No. Description

484-33-3 Pongamol

Identification number(s)

ELINCS Number: 414-540-3

Index number: 606-084-00-0

Additional information: chemical product

**SECTION 4: First aid measures****4.1 Description of first aid measures:****General information:**

Induce vomiting only with medical help.

Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air and to be sure call for a doctor.

**After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

If symptoms persist consult doctor.

Rinse out mouth and then drink plenty of water.

(Contd. on page 3)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

Trade name: **Pongamol**

(Contd. of page 2)

4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

### SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 Advice for firefighters:

Protective equipment:

Mount respiratory protective device.

Wear fully protective suit.

### SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Avoid formation of dust.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

7.1 Precautions for safe handling: Handling corresponding to laboratory safety guidelines.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility: Store away from foodstuffs.

(Contd. on page 4)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

Trade name: **Pongamol**

(Contd. of page 3)

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store in the dark.

Recommended storage temperature: 15-25 °C

Storage class: 13

7.3 Specific end use(s): No further relevant information available.

### SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls:

Appropriate engineering controls: No further data; see item 7.

Individual protection measures, such as personal protective equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

Respiratory protection: Required in case of dust formation.

Hand protection:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.



Nitrile rubber, NBR

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection:



Tightly sealed goggles

(Contd. on page 5)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

Trade name: **Pongamol**

Body protection: Protective work clothing

(Contd. of page 4)

**SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties:

General Information:

Physical state:	Solid
Colour:	According to Certificate of Analysis
Odour:	No data available.
Odour threshold:	Not determined.
Molecular Weight	
Melting point/freezing point:	130-132 °C
Boiling point or initial boiling point and boiling range:	Undetermined.
Flammability:	Product is not flammable.
Dust explosion class:	
Lower and upper explosion limit:	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
(Minimum) Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Powder volume resistivity:	
pH:	Not applicable.
Dissociation constant:	
Viscosity:	
Kinematic viscosity:	Not applicable.
Solubility in other solvents:	
Dynamic:	Not applicable.
Solubility:	
water:	Not determined.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density:	
Density at 20 °C:	1.237 g/cm <sup>3</sup>
	Not determined.
Relative density:	Not determined.
Vapour density:	Not applicable.
Particle characteristics:	See item 3.

(Contd. on page 6)

EU

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

Trade name: **Pongamol**

(Contd. of page 5)

**9.2 Other information:**

Appearance:

Form: Solid

Important information on protection of health and environment, and on safety.

Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

Molecular weight 294.3 g/mol

Oxidising properties: Not determined.

Evaporation rate: Not applicable.

Information with regard to physical hazard classes:

Explosives Void

Flammable gases Void

Aerosols Void

Oxidising gases Void

Gases under pressure Void

Flammable liquids Void

Flammable solids Void

Self-reactive substances and mixtures Void

Pyrophoric liquids Void

Pyrophoric solids Void

Self-heating substances and mixtures Void

Substances and mixtures, which emit flammable gases in contact with water Void

Oxidising liquids Void

Oxidising solids Void

Organic peroxides Void

Corrosive to metals Void

Desensitised explosives Void

**SECTION 10: Stability and reactivity**

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided:

Stable under constant-temperature (see 7.)

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong oxidising agents.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

EU

(Contd. on page 7)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

Trade name: **Pongamol**

(Contd. of page 6)

### SECTION 11: Toxicological information

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

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties: Substance is not listed.

### SECTION 12: Ecological information

12.1 Toxicity:

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties:

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects:

Remark: Very toxic for fish

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, 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.

Very toxic for aquatic organisms

EU

(Contd. on page 8)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

Trade name: **Pongamol**

(Contd. of page 7)

**SECTION 13: Disposal considerations**

13.1 Waste treatment methods:

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Dispose product and packaging in accordance with regional environmental laws.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

**SECTION 14: Transport information**

14.1 UN number or ID number:

ADR, IMDG, IATA

UN3077

14.2 UN proper shipping name:

ADR

UN3077 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, SOLID, N.O.S. (Pongamol)  
ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, SOLID, N.O.S. (Pongamol)

IMDG, IATA

14.3 Transport hazard class(es):

ADR, IMDG, IATA



Class

9 Miscellaneous dangerous substances and articles.

Label

9

14.4 Packing group:

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Marine pollutant:

No

Symbol (fish and tree)

Symbol (fish and tree)

Symbol (fish and tree)

Special marking (ADR):

Special marking (IATA):

14.6 Special precautions for user:

Warning: Miscellaneous dangerous substances and articles.

Hazard identification number (Kemler code): 90

EMS Number:

F-A,S-F

Stowage Category

A

Stowage Code

SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.

(Contd. on page 9)

EU



**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

Trade name: **Pongamol**

(Contd. of page 8)

14.7 Maritime transport in bulk according to  
IMO instruments:

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ)

5 kg

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30  
gMaximum net quantity per outer packaging:  
1000 g

Transport category

3

Tunnel restriction code

(-)

IMDG

Limited quantities (LQ)

5 kg

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30  
gMaximum net quantity per outer packaging:  
1000 g

UN "Model Regulation":

UN 3077 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, SOLID, N.O.S. (PONGAMOL),  
9, III**SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or  
mixture:

Directive 2012/18/EU:

Named dangerous substances - ANNEX I: Substance is not listed.

Seveso category E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in  
electrical and electronic equipment – Annex II:

Substance is not listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of  
licensing under Article 5(3)):

Substance is not listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS: Substance is not listed.

National regulations:

Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

(Contd. on page 10)

EU

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

version: 1

Revision: 28.03.2023

Trade name: **Pongamol**

(Contd. of page 9)

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

EU