

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form	: Substance
Substance name	: PYRANTEL PAMOATE
Chemical name	: 4,4'-methanediylbis(3-hydroxynaphthalene-2-carboxylic acid) - 1-methyl-2-[(E)-2-thiophen-2-ylethenyl]-1,4,5,6-tetrahydropyrimidine (1:1)
EC-No.	: 244-837-1
CAS-No.	: 22204-24-6
Product code	: M1018
Formula	: C34 H30 N2 O6 S

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category	: Industrial use.
Industrial/Professional use spec	: Industrial
Use of the substance/mixture	: Restricted use as an active ingredient in pharmaceutical industry.
Function or use category	: Pharmaceuticals

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet**1.4. Emergency telephone number**

Emergency number : Telf: 01 777 329 5000
Office hours (monday to friday, 9 am- 17 pm GTM -6)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Eye Irrit. 2	H319
Skin Irrit. 2	H315
STOT SE 3	H335

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

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H335 - May cause respiratory irritation

Precautionary statements (CLP)

: P280 - Wear eye protection, protective gloves, face protection
 P302+P352 - IF ON SKIN: Wash with plenty of soap and 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
 P332+P313 - If skin irritation occurs: Get medical advice/attention
 P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

PBT: not yet assessed.

vPvB: not yet assessed.

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

Name	Product identifier	%
PYRANTEL PAMOATE	(CAS-No.) 22204-24-6 (EC-No.) 244-837-1	100

Full text of 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 general	: Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: If skin irritation or rash occurs: Get medical advice/attention. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Get medical advice/attention if you feel unwell.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830

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Symptoms/effects after inhalation : May cause respiratory irritation.
Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Sand. Foam. Dry powder.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : May intensify fire; oxidiser.
Explosion hazard : Explosion may result if is dispersed and finds an ignition source.
Hazardous decomposition products in case of fire : Nitrous gasses. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area. Fight fire remotely due to the risk of explosion. Stop leak if safe to do so.
Firefighting instructions : Eliminate all ignition sources if safe to do so. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Fight fire with normal precautions from a reasonable distance.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Collect spillage.
6.1.1. For non-emergency personnel
Protective equipment : Concerning personal protective equipment to use, see section 8.
Emergency procedures : Avoid contact with skin and eyes. Avoid breathing dust, mist, vapours. Only qualified personnel equipped with suitable protective equipment may intervene.
Measures in case of dust release : Avoid dust formation. Avoid dust to spread. Dust production: have neighbourhood close doors and windows.
6.1.2. For emergency responders
Protective equipment : Special protective equipment for fire-fighters. Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel.

6.2. Environmental precautions

Notify authorities if product enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. On land, sweep or shovel into suitable containers.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Heading 8. Exposure controls/personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Provide adequate ventilation of the area to prevent the formation of explosive atmospheres.
Precautions for safe handling	: Avoid contact with skin and eyes. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust, mist, vapours. Take any precaution to avoid mixing with incompatible materials.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Provide adequate ventilation of the area to prevent the formation of explosive atmospheres. Provide local exhaust or general room ventilation.
Storage conditions	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Incompatible products	: Strong acids. Oxidizing agent. Strong bases.
Incompatible materials	: Heat sources. Sources of ignition. Combustible materials.
Heat and ignition sources	: Keep away from sparks, heat, open flames, hot surfaces. - No smoking.
Prohibitions on mixed storage	: Incompatible materials. Incompatible products.
Storage area	: Store in a well-ventilated place. Store in a dry place.
Special rules on packaging	: Store in a closed container. Keep only in original container.

7.3. Specific end use(s)

Restricted use as an active ingredient in pharmaceutical industry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls



Appropriate engineering controls	: Ensure good ventilation of the work station. Provide adequate ventilation of the area to prevent the formation of explosive atmospheres.
Hand protection	: PVC gloves
Eye protection	: Safety glasses
Respiratory protection	: Mask. P1
Thermal hazard protection	: Keep away from sparks, heat, open flames, hot surfaces. - No smoking.
Environmental exposure controls	: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Microcrystals. Yellow-brown.
Odour	: No data available.
Odour threshold	: No data available.
pH	: No data available.
Relative evaporation rate (butylacetate=1)	: No data available.
Melting point	: 262 - 265 °C
Freezing point	: Not applicable.
Boiling point	: No data available.
Flash point	: Not applicable.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: No data available.
Flammability (solid, gas)	: Non flammable
Vapour pressure	: 0 mm Hg (25°C) #
Relative vapour density at 20 °C	: No data available.
Relative density	: Not applicable.
Solubility	: Water: Insoluble.
Log Pow	: No data available.
Viscosity, kinematic	: Not applicable.
Viscosity, dynamic	: No data available.
Oxidising properties	:
Explosive properties	: No data available.
Explosive limits	: Not applicable.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions. Safety: Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Avoid dust formation. None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

See SECTION 7: Incompatible materials.

**10.6. Hazardous decomposition products**

Nitrous gasses. Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Not classified

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LD50 oral rat	24000 mg/kg
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information**12.1. Toxicity**

Ecology - general : Not established.
 Ecology - water : Not established.

12.2. Persistence and degradability**PYRANTEL PAMOATE (22204-24-6)**

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential**PYRANTEL PAMOATE (22204-24-6)**

Bioaccumulative potential	Not established.
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12.4. Mobility in soil**PYRANTEL PAMOATE (22204-24-6)**

Ecology - soil	Not established.
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12.5. Results of PBT and vPvB assessment

PYRANTEL PAMOATE (22204-24-6)

PBT: not yet assessed.

vPvB: not yet assessed.

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
 Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
 Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Avoid release to the environment. Do not pierce or burn, even after use.
 Additional information : Follow the instructions on handling and technical measures of paragraph 7. Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
 Ecology - waste materials : Avoid release to the environment.
 HP Code : HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : Not applicable.
 UN-No. (IMDG) : Not applicable.
 UN-No. (IATA) : Not applicable.

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable.
 Proper Shipping Name (IMDG) : Not applicable.
 Proper Shipping Name (IATA) : Not applicable.

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable.

IMDG

Transport hazard class(es) (IMDG) : Not applicable.

IATA

Transport hazard class(es) (IATA) : Not applicable.

14.4. Packing group

Packing group (ADR) : Not applicable.



Packing group (IMDG) : Not applicable.
 Packing group (IATA) : Not applicable.

14.5. Environmental hazards

Dangerous for the environment : No
 Marine pollutant : No
 Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

- Transport by sea

No data available.

- Air transport

No data available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
 PYRANTEL PAMOATE is not on the REACH Candidate List
 PYRANTEL PAMOATE is not on the REACH Annex XIV List

Drug Precursors : This product is not included in the lists of substances subject to diversion for illicit drug manufacture.
 Chemical Weapons (Prohibition) Act : This product is not included in the lists of the Chemical Weapons Convention.

15.1.2. National regulations

Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed
 SZW-lijst van mutagene stoffen : The substance is not listed
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

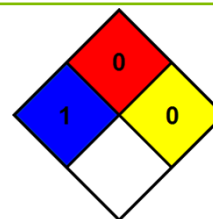
Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

NFPA (National Fire Protection Association)

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NFPA health hazard	: 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard	: 0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.

**15.2. Chemical safety assessment**

Exempted from REACH registration.
No chemical safety assessment has been carried out.

SECTION 16: Other information

Indication of changes:

2.2	Hazard symbols	Removed
2.2	S-phrases	Removed
2.2	R-phrases	Removed

Abbreviations and acronyms:

#	Estimated or calculated values.
&	Exempt under REACH for Active Ingredients, <1000 kg, natural substances...
*	Transmission of information in supply chain.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
Lit	Bibliography
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet

Data sources	: Bibliography. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Training advice	: Training staff on good practice.
Notes	: THIS DOCUMENT HAS BEEN AUTOMATICALLY APPROVED, SO IT IS NOT SIGNED.

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830

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SDS EU (Anexo II REACH)

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