

# Turmopololoil 20 HD

## Safety Data Sheet

According to ICOP 2014

Issue date: 11/11/2022

Revision date: 11/11/2022

Supersedes:

Version: 1.0

### SECTION 1: Identification of the hazardous chemical and of the supplier

#### 1.1. Product identifier

Name Turmopololoil 20 HD

#### 1.2. Other means of identification

Product code BU ETA

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use For professional use only

#### 1.4. Supplier details

##### Supplier

Hilti (Malaysia) Sdn. Bhd.  
F-5-A, Sime Darby Brunfield Tower, No. 2, Jalan PJU 1A/7A  
Oasis Square, Oasis Damansara  
47301 Petaling Jaya, Selangor  
Malaysia  
T +60 3 5628 7222  
1800 880 985 toll free - F +60 3 7848 7399

##### Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH  
Hiltistraße 6  
86916 Kaufering  
Deutschland  
T +49 8191 906876  
[anchor.hse@hilti.com](mailto:anchor.hse@hilti.com)

#### 1.5. Emergency phone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service  
+41 44 251 51 51 (international)  
+60 3 5628 7222  
1800 880 985 toll free

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Not classified

#### 2.2. Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)

No labelling applicable

#### 2.3. Other hazards that do not result in classification

No additional information available

### SECTION 3: Composition and information of the ingredients of the hazardous chemical

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%
Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	CAS-No.: 6683-19-8	< 2.5
N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine	CAS-No.: 51772-35-1	< 2.5
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	CAS-No.: 110-25-8	< 1

# Turmopololoil 20 HD

## Safety Data Sheet

According to ICOP 2014

### SECTION 4: First-aid measures

#### 4.1. Description of necessary first aid measures

First-aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	Rinse immediately with plenty of water.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting.

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

Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	May cause respiratory irritation.
Symptoms/effects after skin contact	Repeated or prolonged contact may cause slight irritation to the skin.
Symptoms/effects after eye contact	May cause slight irritation.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	Treat symptomatically.
-----------------------------------	------------------------

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media	ABC-powder. Sand. carbon dioxide (CO <sub>2</sub> ), dry chemical powder, foam.
Unsuitable extinguishing media	Do not use a heavy water stream.

#### 5.2. Physicochemical hazards arising from the chemical

Hazardous decomposition products in case of fire	Formation of toxic gases is possible during heating or in case of fire.
--	---

#### 5.3. Special protective equipment and precautions for fire fighters

Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

General measures	Spilled material may present a slipping hazard.
------------------	---

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

Protective equipment	Equip cleanup crew with proper protection.
Emergency procedures	Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

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

Methods for cleaning up	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
-------------------------	--

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
-------------------------------	---



# Turmopololoil 20 HD

## Safety Data Sheet

According to ICOP 2014

### SECTION 10: Stability and reactivity

Reactivity	No data available
Chemical stability	The product is stable at normal handling and storage conditions, Stable under normal conditions
Possibility of hazardous reactions	Stable under normal conditions of use, No dangerous reactions known under normal conditions of use
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking, Direct sunlight, Extremely high or low temperatures
Incompatible materials	Oxidizing materials
Hazardous decomposition products	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), Toxic gases are released

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

<b>Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) (6683-19-8)</b>	
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 30 day(s))
LD50 dermal rabbit	> 3160 mg/kg (24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 1.95 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))

<b>(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine (110-25-8)</b>	
LC50 Inhalation - Rat (Dust/Mist)	1.37 mg/l/4h

<b>N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)</b>	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Skin, 14 day(s))

Skin corrosion or irritation	Not classified
Serious eye damage or eye irritation	Not classified
Respiratory sensitization	Not classified
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (STOT) – single exposure	Not classified
Specific target organ toxicity (STOT) – repeated exposure	Not classified
Aspiration hazard	Not classified

<b>Turmopololoil 20 HD</b>	
Viscosity, kinematic	0.114 mm <sup>2</sup> /s (40 °C)

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

# Turmopololoil 20 HD

## Safety Data Sheet

According to ICOP 2014

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified
Other information	Avoid release to the environment.

<b>Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) (6683-19-8)</b>	
LC50 - Fish [1]	> 100 mg/l (96 h, Brachydanio rerio, GLP)
EC50 - Crustacea [1]	> 86 mg/l (24 h, Daphnia magna, GLP)
ErC50 algae	> 100 mg/l (Other, 72 h, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	1.36 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	10 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
<b>N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)</b>	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
BCF - Other aquatic organisms [1]	3321 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	8.23 (QSAR, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	6.2 (log Koc, Calculated value)

#### 12.2. Persistence and degradability

<b>Turmopololoil 20 HD</b>	
Persistence and degradability	Not established.
<b>Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) (6683-19-8)</b>	
Not rapidly degradable	
Persistence and degradability	Not readily biodegradable in water.
Chemical oxygen demand (COD)	1.79 – 2.38 g O <sub>2</sub> /g substance
ThOD	2.55 g O <sub>2</sub> /g substance
<b>(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine (110-25-8)</b>	
Not rapidly degradable	
<b>N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)</b>	
Persistence and degradability	Not readily biodegradable in water.

#### 12.3. Bioaccumulative potential

<b>Turmopololoil 20 HD</b>	
Bioaccumulative potential	No additional information available
<b>Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) (6683-19-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.36 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	10 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

# Turmopololoil 20 HD

## Safety Data Sheet

According to ICOP 2014

<b>Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) (6683-19-8)</b>	
Bioaccumulative potential	Low potential for bioaccumulation (molecular mass $\geq 700$ g/mol).
<b>N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)</b>	
BCF - Other aquatic organisms [1]	3321 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	8.23 (QSAR, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	6.2 (log Koc, Calculated value)
Bioaccumulative potential	Potential for bioaccumulation ( $500 \leq \text{BCF} \leq 5000$ ).

### 12.4. Mobility in soil

<b>Turmopololoil 20 HD</b>	
Mobility in soil	No additional information available
<b>Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) (6683-19-8)</b>	
Surface tension	Not applicable (water solubility $< 1$ mg/l)
Partition coefficient n-octanol/water (Log Pow)	1.36 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	10 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for mobility in soil.
<b>N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)</b>	
Surface tension	Not applicable (solid)
Partition coefficient n-octanol/water (Log Pow)	8.23 (QSAR, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	6.2 (log Koc, Calculated value)
Ecology - soil	Adsorbs into the soil.

### 12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

## SECTION 13: Disposal information

### 13.1. Disposal methods

Product/Packaging disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	Avoid release to the environment.

## SECTION 14: Transportation information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
<b>14.1. UN number or ID number</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated

# Turmopololoil 20 HD

## Safety Data Sheet

According to ICOP 2014

ADR	IMDG	IATA	RID
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health, and environmental regulations specific for the hazardous chemical in question

Regulation	Component/ Mixture
EHS Notification and Registration Scheme	

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

Version	1.0
Issue date	11/11/2022
Revision date	11/11/2022

Full text of H-statements	
Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Aquatic Acute Not classified	Hazardous to the aquatic environment – Acute Hazard Not classified
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Flam. Liq. Not classified	Flammable liquids Not classified
H413	May cause long lasting harmful effects to aquatic life

SDS\_MY\_Hilti

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.