

# Turmopololoil 20 HD

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)  
Issue date: 11/11/2022 Revision date: 11/11/2022

Version: 1.0

## SECTION 1: Identification

### 1.1. Product identifier

Product form	Mixture
Product name	Turmopololoil 20 HD
Type of product	greases, mineral oils, silicones
Product code	BU ETA

### 1.2. Recommended use and restrictions on use

Recommended use	For professional use only
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### 1.3. Supplier

Supplier	Department issuing data specification sheet
Hilti (Canada) Corp.	Hilti Entwicklungsgesellschaft mbH
2360 Meadowpine Boulevard	Hiltistraße 6
Mississauga, Ontario, L5N 6S2	Kaufering, 86916
Canada	Deutschland
T +1905 8139200	T +49 8191 906876
1-800-363-4458 toll free - F +1 905 813 9009	<a href="mailto:anchor.hse@hilti.com">anchor.hse@hilti.com</a>

### 1.4. Emergency telephone number

Emergency number	Chem-Trec
	Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)
	Tel.: 703 527 3887 (Other countries)

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

#### Classification (GHS CA)

Not classified

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

#### GHS CA labelling

No labelling applicable

### 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

Not applicable

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### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	-	CAS-No.: 68411-46-1	< 2.5	Aquatic Chronic 3, H412
4,4'-methylenebis(2,6-di-tert-butylphenol)	2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol	CAS-No.: 118-82-1	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

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

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

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.
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).

### 4.2. Most important symptoms and 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.
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

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

Other medical advice or treatment	Treat symptomatically.
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## 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.
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### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media	Do not use a heavy water stream.
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### 5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire	Formation of toxic gases is possible during heating or in case of fire.
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### 5.4. 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.

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## SECTION 6: Accidental release measures

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

General measures

Spilled material may present a slipping hazard.

### 6.2. 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.

### 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

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

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

Storage conditions

Store at temperatures not exceeding 25 °C. Protect from sunlight. Store in a well-ventilated place.

Incompatible products

Strong acids. Strong bases.

Incompatible materials

Sources of ignition. Direct sunlight.

## 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:

Avoid all unnecessary exposure.

#### Hand protection:

Prolonged and/or repeated handling: Protective gloves. Butyl-rubber protective gloves > 120 min (EN 374)

#### Eye protection:

Not necessary under the recommended storage and handling conditions

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state

Liquid

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Appearance	Viscous.
Colour	amber
Odour	characteristic
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Relative evaporation rate (ether=1)	No data available
Melting point	-40 °C
Freezing point	No data available
Boiling point	> 250 °C
Flash point	270 °C
Auto-ignition temperature	No data available
Decomposition temperature	250 °C
Flammability (solid, gas)	No data available
Vapour pressure	< 15 hPa (50 °C)
Relative vapour density at 20°C	No data available
Relative density	0 (15,6 °C)
Density	1.05 g/cm <sup>3</sup>
Solubility	insoluble in water. Soluble in organic solvents.
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	0.114 mm <sup>2</sup> /s (40 °C)
Explosive limits	No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Reactivity	No additional information 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.
Hardening time:	No additional information available

## 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

#### 4,4'-methylenebis(2,6-di-tert-butylphenol) (118-82-1)

LD50 oral rat	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified

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Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified

### 4,4'-methylenebis(2,6-di-tert-butylphenol) (118-82-1)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

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Viscosity, kinematic	0.114 mm <sup>2</sup> /s (40 °C)
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Potential adverse human health effects and symptoms

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.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified

### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

LC50 - Fish [1]	> 100 mg/l
LC50 - Other aquatic organisms [1]	> 100 mg/l
EC50 - Crustacea [1]	> 51 mg/l

### 4,4'-methylenebis(2,6-di-tert-butylphenol) (118-82-1)

LC50 - Fish [1]	820 mg/l (EPA 600/3-75/009, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	> 0.1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	> 26.5 ng/l (OECD 201: Alga, Growth Inhibition Test, 96 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

### 12.2. Persistence and degradability

Turmopololoil 20 HD	
Persistence and degradability	Not established.

### 4,4'-methylenebis(2,6-di-tert-butylphenol) (118-82-1)

Not rapidly degradable	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.

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### 12.3. Bioaccumulative potential

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)	
Bioconcentration factor (BCF REACH)	411
4,4'-methylenebis(2,6-di-tert-butylphenol) (118-82-1)	
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
BCF - Fish [1]	600 (OECD 305: Bioconcentration: Flow-Through Fish Test, 21 day(s), <i>Oncorhynchus mykiss</i> , Flow-through system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	> 6.5 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)

### 12.4. Mobility in soil

4,4'-methylenebis(2,6-di-tert-butylphenol) (118-82-1)	
Ecology - soil	Adsorbs into the soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	> 5.63 (log Koc, EU Method C.19, Experimental value, GLP)

### 12.5. Other adverse effects

Ozone	Not classified
Other information	Avoid release to the environment.

## SECTION 13: Disposal considerations

### 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: Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			



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### 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. National regulations

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

Listed on the Canadian DSL (Domestic Substances List)

4,4'-methylenebis(2,6-di-tert-butylphenol) (118-82-1)

Listed on the Canadian DSL (Domestic Substances List)

## SECTION 16: Other information

SDS Major/Minor	None
Issue date	11-11-2022
Revision date	11-11-2022

Full text of H-statements:

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

SDS\_CA\_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.