

Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

Version:1.0

Revision date: 2022/11/11

Issue date: 2022/11/11

Supersedes:

SECTION 1 Chemical product and company identification

Product identifier

Product form	Mixture
Product name	Turmopololoil 20 HD
Product code	BU ETA
Chemical Chinese name	
Chemical English name	
Recommended use of the chemical	For professional use only Lubricants, greases, release agents

Details of the supplier of the safety data sheet

Supplier Hilti (China) Ltd. 8F, Tower 2, No.58 Yao Yuan Rd. Pudong District 200126 Shanghai - China T +86 21 6016 7316	Department issuing data specification sheet Hilti Entwicklungsgesellschaft mbH Hiltistraße 6 86916 Kaufering - Deutschland T +49 8191 906876 anchor.hse@hilti.com
--	---

Emergency telephone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum - 24h Service +41 44 251 51 51 (international)
------------------	--

Country	Organisation/Company	Address	Emergency number
China	中国境内化学事故应急咨询电话 / chemical accident emergency consultation service hotline (24/7)		+86 532 83889090

SECTION 2 Hazards identification

Emergency overview

No dangerous reactions known under normal conditions of use. Stable under normal conditions of use. Viscous, amber

Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

GHS hazard classification

Other hazards not mentioned above are Not applicable or No data is available.

Label elements

No data available

Physical and chemical hazards

No additional information available

Health hazards

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

Environmental hazards

No additional information available

Other hazards

No additional information available

SECTION 3 Composition/information on ingredients

Product form Mixture.

Ingredient(s)	Concentration or concentration ranges (w/w %)	CAS No.
N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine	< 2.5	51772-35-1

SECTION 4 First-aid measures

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

Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting.
------------------------------------	---

Most important symptoms/effects

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

Advices for first aid responders

No additional information available

Notes for the doctor

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

SECTION 5 Fire-fighting measures

Extinguishing media

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

Specific hazards

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

Advice for firefighters and protective measures

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

Personal precautions, protective equipment and emergency procedures

General measures	Spilled material may present a slipping hazard
Personal Precautions, Protective Equipment and Emergency Procedures	No additional information available

For emergency responders

Protective equipment	Equip cleanup crew with proper protection
----------------------	---

Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

Emergency procedures

Ventilate area

Environmental precautions

Avoid release to the environment

Prevent entry to sewers and public waters

Methods and material for containment and cleaning up

Methods for cleaning

No additional information available

For containment

No additional information available

Prevention measures for secondary accidents

Prevention Measures for
Secondary Accidents

No additional information available

SECTION 7 Handling and storage

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

Hygiene measures

No additional information available

Local and general
ventilation

No additional information available

Storage

Storage conditions

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

Material used in
packaging/containers

No additional information available

Incompatible products

Strong acids. Strong bases.

Incompatible materials

Sources of ignition. Direct sunlight.

SECTION 8 Exposure controls / Personal protection equipment

Occupational exposure limits

No additional information available

Biological limit values

No additional information available

Monitoring methods

No additional information available

Appropriate engineering controls

Ensure good ventilation of
the work station

Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

Personal protective equipment

Personal protective equipment	Avoid all unnecessary exposure
Environmental exposure controls	Avoid release to the environment.
Other information	Do not eat, drink or smoke during use
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
Skin and body protection	No additional information available
Respiratory protection	No additional information available

SECTION 9 Physical and chemical properties

Physical state	Liquid
Appearance	Viscous
Colour	amber
Odour	characteristic
pH	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.
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 ³
Solubility	insoluble in water, Soluble in organic solvents.
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	0.114 mm ² /s (40 ° C)
Lower explosion limit	No data available
Upper explosion limit	No data available
Radioactive	No

SECTION 10 Stability and reactivity

Chemical stability	The product is stable at normal handling and storage conditions. Stable under normal conditions
Reactivity	No additional information available
Possibility of hazardous reactions	Stable under normal conditions of use No dangerous reactions known under normal conditions of use

Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

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 ₂) Toxic gases are released
Other properties	No additional information available

SECTION 11 Toxicological information

Acute toxicity

Acute toxicity (oral)	No data available
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	No data available

N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)

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/irritation

Skin corrosion/irritation	No data available
---------------------------	-------------------

Serious eye damage/eye irritation

Serious eye damage/irritation	No data available
-------------------------------	-------------------

Respiratory or skin sensitisation

Respiratory or skin sensitisation	No data available
-----------------------------------	-------------------

Germ cell mutagenicity

Germ cell mutagenicity	No data available
------------------------	-------------------

Carcinogenicity

Carcinogenicity	No data available
-----------------	-------------------

Reproductive toxicity

Reproductive toxicity	No data available
-----------------------	-------------------

STOT - single exposure

STOT-single exposure	No data available
----------------------	-------------------

Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

ST0T - repeated exposure

ST0T-repeated exposure No data available

Aspiration hazard

Aspiration hazard No data available

Turmopololoil 20 HD

Viscosity, kinematic 0.114 mm²/s (40 ° C)

Density 1.05 g/cm³

SECTION 12 Ecological information

Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) No data available

Hazardous to the aquatic environment, long-term (chronic) No data available

N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)	
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)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	6.2 (log Koc, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	8.23 (QSAR, 25 ° C)

Persistence and degradability

Turmopololoil 20 HD

Persistence and degradability Not established

N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)	
Persistence and degradability	Not readily biodegradable in water

Bioaccumulative potential

N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)	
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000)
BCF - Other aquatic organisms [1]	See section 12.1 on ecotoxicology 3321 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)

Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

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)

Mobility in soil

N-[(1,1,3,3-tetramethylbutyl)phenyl]naphthalen-1-amine (51772-35-1)	
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000)
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.

Other adverse effects

Classification procedure (Ozone)	No data available
Other information	Avoid release to the environment.

Results of PBT and vPvB assessment

PBT	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
vPvB	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 13 Disposal considerations

Waste treatment methods	No additional information available
Contaminated container and packaging	No additional information available
Additional information	No additional information available
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

Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

ADR	IMDG	IATA	RID
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			

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

Regulations on the Safe Management of Hazardous Chemicals (Decree 591 of the State Council)

Catalogue of Hazardous Chemicals (2015) Not listed

Identification of major hazard installations for dangerous chemicals (GB 18218) Not listed

Catalogue of Severely Restricted Toxic Chemicals Not listed

Regulations on Administration of Chemicals Subjected to Supervision and Control

Catalogue of Controlled Chemicals Not listed

Regulation on the Administration of Precursor Chemicals (Decree 445 of the State Council)

Catalogue of Precursor Chemicals Not listed

Regulations on Administration of Ozone Depleting Substances (Decree 573 of the State Council)



Turmopololoil 20 HD

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

List of Ozone-Depleting Substances under Control in China	Not listed
Other domestic regulatory lists	
Dangerous Goods List (GB 12268-2012)	Not listed
List of Goods Prohibited from Export (No. 3) or Import (No. 6)	Not listed

SECTION 16 Other information

SDS_CN_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.