



Turmogrease ALN 1001/00

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Version:1.1

Revision date: 2025/07/14

Issue date: 2025/07/14

Supersedes: 2022/12/16

SECTION 1 Chemical product and company identification

Product identifier

Product form	Mixture
Product name	Turmogrease ALN 1001/00
Product code	ETA Lubricants
Chemical Chinese name	
Chemical English name	
Recommended use of the chemical	Lubricants, Greases and Release Products
Restricted use of the chemical	For professional use only

Details of the supplier of the safety data sheet

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

Emergency telephone number

Emergency number	Emergency CONTACT (24-Hour-Number)
	GBK GmbH Global Regulatory Compliance
	+49 (0)6132-84463

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

May cause harm to breast-fed children. Harmful to aquatic life with long lasting effects. Stable under normal conditions of use. Use personal protective equipment as required.



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GHS hazard classification

Health hazards	Reproductive toxicity, Additional category, Effects on or via lactation
Environmental hazards	Hazardous to the aquatic environment - Acute hazard, Category 3 Hazardous to the aquatic environment - Chronic hazard, Category 3
Other hazards not mentioned above are Not applicable or No data is available.	

Label elements

Hazard statements (GHS CN)	H362 - May cause harm to breast-fed children H412 - Harmful to aquatic life with long lasting effects.
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Precautionary statements (GHS CN)

Prevention measures	P263 - Avoid contact during pregnancy/while nursing. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment.
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Physical and chemical hazards

No additional information available

Health hazards

May cause harm to breast-fed children	
Symptoms/effects	No information available

Environmental hazards

Harmful to aquatic life with long lasting effects

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.	Classification (GHS CN)
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate)	< 2.5	4259-15-8	Acute toxicity (Oral), Category 5 Hazardous to the aquatic environment - Chronic hazard, Category 2



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Alkanes, C14-17, chloro (MCCP)	0.1 - 1	85535-85-9	Reproductive toxicity, Additional category, Effects on or via lactation Hazardous to the aquatic environment - Acute hazard, Category 1 Hazardous to the aquatic environment - Chronic hazard, Category 1
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SECTION 4 First-aid measures

Description of necessary first-aid measures

First-aid measures general	In all cases of doubt, or when symptoms persist, seek medical attention
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor
First-aid measures after skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	If you feel unwell, seek medical advice. Rinse mouth out with water. Drink plenty of water

Most important symptoms/effects

Symptoms/effects	No information available
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Advices for first aid responders

No additional information available

Notes for the doctor

Other medical advice or treatment	No additional information available
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SECTION 5 Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Carbon dioxide Sand Dry powder Foam
Unsuitable extinguishing media	Water Strong water jet Do not use a heavy water stream



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Specific hazards

Hazardous decomposition products in case of fire	Carbon dioxide Carbon monoxide
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Advice for firefighters and protective measures

Firefighting instructions	No additional information available
Protection during firefighting	[In case of inadequate ventilation] wear respiratory protection.
Other information	Do not dispose of fire-fighting water in the environment Do not allow product to spread into the environment

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 non-emergency personnel

Protective equipment	No information available
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For emergency responders

Protective equipment	For further information refer to section 8: "Exposure controls/personal protection"
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Environmental precautions

Avoid release to the environment
Do not allow to enter drains or water courses
Prevent liquid from entering sewers, watercourses, underground or low areas

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
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SECTION 7 Handling and storage

Handling

Precautions for safe handling	Avoid contact during pregnancy/while nursing Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work
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Hygiene measures

Do not eat, drink or smoke when using this product.
Always wash hands after handling the product
Contaminated work clothing should not be allowed out of the workplace.
Wash contaminated clothing before reuse.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work

Local and general ventilation

No additional information available

Storage

Storage conditions

Avoid direct sunlight, high temperature, high humidity.
Store in a cool place (temperature: $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$, humidity: 45 - 85%)

Material used in packaging/containers

No additional information available

Storage area

Protect from humidity and water

Special rules on packaging

Keep only in original container.
Store in a closed container.

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

No additional information available

Personal protective equipment

Personal protective equipment

Safety glasses
Gloves

Environmental exposure controls

Do not eat and do not drink during use
Do not allow product to spread into the environment

Consumer exposure controls

Avoid contact during pregnancy/while nursing.

Materials for protective clothing

Butyl-rubber protective gloves
Nitrile rubber

Hand protection

No additional information available

Eye protection

ISO 16321-1

Skin and body protection

Wear suitable gloves

Respiratory protection

No additional information available

Personal protective equipment symbol(s)





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SECTION 9 Physical and chemical properties

Physical state	Liquid
Appearance	No data available
Colour	Yellow
Odour	No data available
pH	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	> 300 °C
Flash point	> 200 °C
Auto-ignition temperature	No data available
Decomposition temperature	> 200 °C.
Vapour pressure	< 0.1 hPa
Relative vapour density at 20° C	No data available
Density	0.85 g/cm ³
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Radioactive	No

SECTION 10 Stability and reactivity

Chemical stability	Stable under normal conditions
Reactivity	No additional information available
Possibility of hazardous reactions	Strong acids Strong bases
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon dioxide Carbon monoxide Toxic gases
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

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LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Alkanes, C14-17, chloro (MCCP) (85535-85-9)

LD50 oral rat	> 4000 mg/kg bodyweight (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	15000 mg/kg



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LD50 dermal rabbit	> 13500 mg/kg bodyweight (24 h, Rabbit, Read-across, Dermal)
LC50 Inhalation - Rat	> 48.17 mg/l air (1 h, Rat, Read-across, Inhalation (vapours))
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
LD50 oral rat	3100 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

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 May cause harm to breast-fed children.

ST0T - single exposure

ST0T - single exposure No data available

ST0T - repeated exposure

ST0T - repeated exposure No data available

Aspiration hazard

Aspiration hazard No data available

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Density 0.85 g/cm³

SECTION 12 Ecological information

Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) Harmful to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) Harmful to aquatic life with long lasting effects.



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Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
LC50 - Fish [1]	> 5000 mg/l (Equivalent or similar to OECD 203, 96 h, Alburnus alburnus, Static system, Brackish water, Experimental value, Nominal concentration)
ErC50 algae	> 3.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
BCF - Fish [1]	6660 - 9140 l/kg (OECD 305: Bioconcentration: Flow-Through Fish Test, 35 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Fresh weight)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 - 5.2 (log Koc, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	4.7 - 8.3 (Experimental value, Equivalent or similar to OECD 117)

Persistence and degradability

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Persistence and degradability Not rapidly degradable

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Persistence and degradability	Biodegradable in the soil Not readily biodegradable in water

Bioaccumulative potential

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Bioaccumulative potential No additional information available

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000)
BCF - Fish [1]	See section 12.1 on ecotoxicology6660 - 9140 l/kg (OECD 305: Bioconcentration: Flow-Through Fish Test, 35 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.7 - 8.3 (Experimental value, Equivalent or similar to OECD 117)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 - 5.2 (log Koc, Experimental value)

Mobility in soil

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Bioaccumulative potential No additional information available

Additional information No information available

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000)
Partition coefficient n-octanol/water (Log Pow)	4.7 - 8.3 (Experimental value, Equivalent or similar to OECD 117)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 - 5.2 (log Koc, Experimental value)
Ecology - soil	Adsorbs into the soil.



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Other adverse effects

Classification procedure (Ozone) No data available

SECTION 13 Disposal considerations

Waste treatment methods Dispose in a safe manner in accordance with local/national regulations.

Contaminated container and packaging No additional information available

Additional information No additional information available

Regional waste regulation Disposal must be done according to official regulations

SECTION 14 Transport information

In accordance with ADR / IMDG / IATA / RID /

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

14.6. Special precautions for user

Overland transport

Not applicable

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



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SECTION 15 Regulatory information

New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)

Inventory of Existing Chemical Substances in China (IECSC) Listed

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

Catalogue of Hazardous Chemicals (2015) Contains Hazardous Chemical(s)
Alkanes, C14-17, chloro (MCCP)
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate)
Considered as Hazardous Chemical(s)

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

Catalogue of Severely Restricted Toxic Chemicals Not listed

Catalogue of Explosive Precursor Dangerous Chemicals Not listed

Catalogue of Hazardous Chemicals Prohibited from Inland Waterway Transport Not listed

Law of the People's Republic of China on the Prevention and Control of Occupational Diseases

List of Highly Toxic Substances 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)

List of Ozone-Depleting Substances under Control in China Not listed

Other domestic regulatory lists

Dangerous Goods List (GB 12268) Not listed

List of Export Control of Chemical Agents and Related Equipment and Technologies Not listed

List of Goods Prohibited from Export or Import Not listed

Inventory of Hazardous Chemicals under Key Supervision Not listed

SECTION 16 Other information

Section	Changed item	Change	Comments
	Legislation.	Modified.	
1.	Department issuing data specification sheet.	Modified.	
1.	Emergency number.	Modified.	



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2.	Classification (GHS CN).	Modified.	
3.	Composition/information on ingredients.	Modified.	

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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.