

# Turmogrease ALN 1001/00

## Safety Data Sheet

According to SS 586 Part 3: 2014  
Issue date: 16.12.2022

Revision date: 16.12.2022

Supersedes:

Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Name	Turmogrease ALN 1001/00
Product code	ETA Lubricants

#### 1.2. Other means of identification

No additional information available

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

Recommended use	Lubricants, Greases and Release Products
Restrictions on use	For professional use only

#### 1.4. Supplier's details

##### Supplier

Hilti Far East Private Ltd.  
80 Pasir Panjang Road, #16-83/84 Mapletree Business City Singapore  
Singapur 117372  
T +65 6777 7887 - F +65 6777 3057  
[sg-customerservice@hilti.com](mailto:sg-customerservice@hilti.com)

##### Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH  
Hiltistraße 6 Kaufering Deutschland 86916  
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) +65 6777 7887
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Health hazards	Reproductive toxicity, Additional category, Effects on or via lactation
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#### 2.2. GHS label elements including precautionary statements

##### Hazard statements (GHS SG)

H362 : May cause harm to breast-fed children.

##### Precautionary statements

##### Prevention

P201 : Obtain special instructions before use.  
P260 : Do not breathe dust/fume/gas/mist/vapours/spray.  
P263 : Avoid contact during pregnancy/while nursing.  
P264 : Wash hands, forearms and face thoroughly after handling.  
P270 : Do not eat, drink or smoke when using this product.

##### Response

P308+P313 : IF exposed or concerned: Get medical advice/attention.

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

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Synonyms	Concentration (%)	Formula	Product identifier
Alkanes, C14-17, chloro (MCCP)	alkanes, C14-17, chloro / C14-17, chloro alkanes / chlorinated paraffins, C14-17 / chloro alkanes, C14-17 / chloro, C14-17 alkanes	0.1 – 1	C <sub>x</sub> H <sub>(2x-y+2)</sub> Cl <sub>y</sub>	CAS-No.: 85535-85-9 EC-No.: 287-477-0 EC Index-No.: 602-095-00-X

## SECTION 4: First-aid measures

### 4.1. Description of necessary first aid measures

First-aid measures general	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
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.
Eye contact	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	If you feel unwell, seek medical advice. Rinse mouth out with water. Drink plenty of water.

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

Symptoms/effects	No information available.
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### 4.3. Indication of immediate medical attention and special treatment needed

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

### 5.1. Suitable 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.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.
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### 5.3. Special protective actions for fire fighters

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

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

General measures	Spilled material may present a slipping hazard.
<b>6.1.1. For non-emergency personnel</b>	
Protective equipment	No information available.
<b>6.1.2. For emergency responders</b>	
Protective equipment	For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. 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.

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

Methods for cleaning up

Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Absorb the liquid with an inert binder. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

### 6.4. Reference to other sections

No information available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe 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.

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.

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

Storage conditions

Avoid direct sunlight, high temperature, high humidity.  
Store in a cool place (temperature: -20 °C ~ 40 °C, humidity: 45 - 85%).

Storage area

Protect from humidity and water.

Special rules on packaging

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

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters/Occupational exposure limits

No additional information available

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate engineering control measures

No additional information available

### 8.4. Personal protection

Materials for protective clothing

Butyl-rubber protective gloves. Nitrile rubber

Eye protection

EN 166

Skin and body protection

Wear suitable gloves

Personal protective equipment symbol(s)



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.

## SECTION 9: Physical and chemical properties

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

Physical state

Liquid

Colour

yellow beige

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Odour	No data available
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	> 300 °C
Flash point	> 200 °C
Auto-ignition temperature	No data available
Decomposition temperature	> 200 °C
Flammability	No data available
Vapour pressure	< 0.1 hPa
Relative vapour density at 20°C	No data available
Relative density	No data available
Density	0.85 g/cm <sup>3</sup>
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Partition coefficient n-octanol/water (Log Kow)	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Strong acids. Strong bases.

### 10.4. Conditions to avoid

No information available.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Toxic gases.

## SECTION 11: Toxicological information

### 11.1. Acute toxicity

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

Turmogrease ALN 1001/00	
LD50 oral rat	> 2000
LD50 dermal rat	> 2000

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<b>Alkanes, C14-17, chloro (MCCP) (85535-85-9)</b>	
LD50 oral rat	> 4000 mg/kg bodyweight (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	15000 mg/kg
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))
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	May cause harm to breast-fed children.
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
<b>Turmogrease ALN 1001/00</b>	
Density	0.85 g/cm <sup>3</sup>
Other information	No information available.

## 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
Not rapidly degradable	

<b>Alkanes, C14-17, chloro (MCCP) (85535-85-9)</b>	
LC50 - Fish [1]	> 5000 mg/l (Equivalent or similar to OECD 203, 96 h, Alburnus alburnus, Static system, Brackish water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	0.0059 mg/l
ErC50 algae	> 3.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
NOEC chronic crustacea	0.0087 mg/l
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)
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)

### 12.2. Persistence and degradability

<b>Turmogrease ALN 1001/00</b>	
Not rapidly degradable	
Persistence and degradability	Not rapidly degradable.
<b>Alkanes, C14-17, chloro (MCCP) (85535-85-9)</b>	
Not rapidly degradable	
Persistence and degradability	Not readily biodegradable in the soil. Not readily biodegradable in water.

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### 12.3. Bioaccumulative potential

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Bioaccumulative potential	No additional information available.
Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
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)
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)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).

### 12.4. Mobility in soil

Turmogrease ALN 1001/00	
Mobility in soil	No additional information available
Additional information	No information available
Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
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	Low potential for mobility in soil.

### 12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

## SECTION 13: Disposal considerations

Waste treatment methods Dispose in a safe manner in accordance with local/national 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 applicable	Not applicable	Not applicable
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

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### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Rail transport

Not applicable

### 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 product in question

No additional information available

### 15.2. International regulations

No additional information available

### 15.3 Chemical inventory status

No additional information available

## SECTION 16: Other information

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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.