

# Turmogrease ALN 1001/00

## Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR)

Issue date: 11/03/2025

Revision date: 11/03/2025

Supersedes: 07/21/2022

Version: 2.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form	Mixture
Trade name	Turmogrease ALN 1001/00
Product code	BU ET&A

#### 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 (Canada) Corp.  
2201 Bristol Circle  
Suite 700  
CA L6H 0J8 Oakville, Ontario  
Canada  
T +1905 8139200  
1-800-363-4458 toll free, F +1 905 813 9009  
[ca-sales@hilti.com](mailto:ca-sales@hilti.com)

##### Department issuing data specification sheet

Hilti AG  
Feldkircher Strasse 100  
FL 9494 Schaan  
Liechtenstein  
T +423 234 2111  
[product.compliance-power.tools@hilti.com](mailto:product.compliance-power.tools@hilti.com)

#### 1.5. Emergency telephone number

Emergency number	Emergency CONTACT (24-Hour-Number) GBK/Infotrac ID 101022 (USA domestic) 1 800 535 5053 or international (001) 352 323 3500
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### SECTION 2: Hazard identification

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

##### Classification (GHS CA)

Reproductive toxicity, Additional category for effects on or via lactation H362 May cause harm to breast-fed children  
Full text of H-statements: see section 16

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

##### GHS CA labelling

Hazard statements (GHS CA)	H362 - May cause harm to breast-fed children
Precautionary statements (GHS CA)	P263 - Avoid contact during pregnancy and while nursing. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment.

#### 2.3. Other hazards

No additional information available

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates	-	CAS-No.: 80939-62-4	0.1 - 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 1, H372
Alkanes, C14-17, chloro (MCCP)	alkanes, C14-17, chloro; chlorinated paraffins, C14-17 alkanes, C14-17, chloro / C14-17, chloro alkanes / chlorinated paraffins, C14-17 / chloro alkanes, C14-17 / chloro, C14-17 alkanes	CAS-No.: 85535-85-9	0.1 – 1	Lact., H362

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	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.
First-aid measures general	In all cases of doubt, or when symptoms persist, seek medical attention.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	No information available.
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#### 4.3. Immediate medical attention and special treatment, if necessary

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 hazardous product

Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.
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### 5.3. Special protective equipment and precautions 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.

### 6.2. Methods and materials 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.

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.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Environmental exposure controls

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

### 8.3. Individual protection measures/Personal protective equipment

**Personal protective equipment:**

Safety glasses. Gloves.

**Materials for protective clothing:**

Butyl-rubber protective gloves. Nitrile rubber

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**Eye protection:**

ISO 16321-1

**Skin and body protection:**

Wear suitable gloves

**Personal protective equipment symbol(s):**

## SECTION 9: Physical and chemical properties

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

Physical state	Liquid
Appearance	No data available
Colour	Yellow
Odour	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Mild odour Characteristic odour Odourless
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	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 (solid, gas)	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
Viscosity, kinematic	No data available
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	Stable under normal conditions.
Possibility of hazardous reactions	Strong acids. Strong bases.

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Conditions to avoid	No information available.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon dioxide. Carbon monoxide. Toxic gases.
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

Turmogrease ALN 1001/00	
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
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))

Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates (80939-62-4)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

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

Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates (80939-62-4)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard	Not classified
Symptoms/effects	No information available.
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

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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)

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (80939-62-4)	
LC50 - Fish [1]	5.5 mg/l
EC50 - Crustacea [1]	1.2 mg/l
EC50 72h - Algae [1]	> 10 mg/l

### 12.2. Persistence and degradability

Turmogrease ALN 1001/00	
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.

### 12.3. Bioaccumulative potential

Turmogrease ALN 1001/00	
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]	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)

### 12.4. Mobility in soil

Turmogrease ALN 1001/00	
Additional information	No information available

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Ecology - soil	Adsorbs into the soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 – 5.2 (log Koc, Experimental value)

### 12.5. Other adverse effects

Ozone	Not classified
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## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation	Disposal must be done according to official regulations.
Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations.



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### SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. 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			

#### 14.6. Special precautions for user

**TDG**

Not regulated

**DOT**

Not regulated

**IMDG**

Not regulated

**IATA**

Not regulated

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. National regulations

Alkanes, C14-17, chloro (MCCP) (85535-85-9)
Listed on the Canadian DSL (Domestic Substances List)
Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates (80939-62-4)
Listed on the Canadian DSL (Domestic Substances List)

### SECTION 16: Other information

Issue date	11-03-2025
Revision date	11-03-2025
Supersedes	07-21-2022



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### Indication of changes

Section	Changed item	Change	Comments
	Legislation	Modified	
1.3	Department issuing data specification sheet	Modified	
1.4	Emergency number	Modified	

### Full text of hazard classes and H-statements:

H315	Causes skin irritation
H319	Causes serious eye irritation
H362	May cause harm to breast-fed children
H372	Causes damage to organs through prolonged or repeated exposure.

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.