

# Turmogrease ALN 1001/0

## 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 1001/0  
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

### SECTION 2: Hazards identification

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

Health hazards Reproductive toxicity, Additional category, Effects on or via lactation

#### 2.2. GHS label elements including precautionary statements

##### Hazard statements (GHS SG)

H362 : May cause harm to breast-fed children.

##### Precautionary statements

##### Prevention

P263 : Avoid contact during pregnancy/while nursing.  
P270 : Do not eat, drink or smoke when using this product.  
P273 : Avoid release to the environment.

#### 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

#### 3.2. Mixtures

| Name  | Synonyms | Concentration (%) | Formula | Product identifier                       |
|---|----------|-------------------|---------|--|
| Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates | -        | 1 – 2.5           | -       | CAS-No.: 80939-62-4<br>EC-No.: 279-632-6 |

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| 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<br>EC-No.: 287-477-0<br>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. |
|------------------|---------------------------|

#### 4.3. Indication of immediate medical attention and special treatment needed

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Other medical advice or treatment | No additional information available. |
|-----------------------------------|--------------------------------------|

### 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. |
|--|----------------------------------|

#### 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. |
|------------------|---|

##### 6.1.1. For non-emergency personnel

|                      |                           |
|----------------------|---------------------------|
| Protective equipment | No information available. |
|----------------------|---------------------------|

##### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| 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 1001/0 |        |
|------------------------|--------|
| 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))                    |
| <b>Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (80939-62-4)</b> |   |
| 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 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 1001/0</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 |

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

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### 12.2. Persistence and degradability

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

### 12.3. Bioaccumulative potential

| Turmogrease ALN 1001/0                                     |   |
|--|---|
| 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 1001/0                                     |   |
|--|---|
| 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 |

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| ADR                                     | IMDG           | IATA           | RID            |
|---|----------------|----------------|----------------|
| <b>14.3. Transport hazard class(es)</b> |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |

### 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.