



Turmogrease ALN 1001/00

Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

Issue date: 16/12/2022

Revision date: 16/12/2022

Version: 1.0

SECTION 1: Identification

1.1. GHS Product identifier

| | |
|--------------|-------------------------|
| Product form | Mixture |
| Product 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

| | |
|------------------------------|--|
| Use of the substance/mixture | For professional use only |
| Recommended use | Lubricants, Greases and Release Products |

1.4. Supplier's details

Supplier

Hilti Bahrain W.L.L
Warehouse No. 23 & 25, Gate 285, Road 4306 Area 343, Mina Salman
P.O. Box 11401
BH- Manama – Bahrain
T +973 17811675
hiltibahrain@hilti.com - <https://www.hilti-me.com/>

Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH
Hiltistraße 6
DE- 86916 Kaufering
Deutschland
T +49 8191 906876
anchor.hse@hilti.com

1.5. Emergency phone number

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

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

| | | |
|---|------|--------------------|
| Reproductive toxicity, Additional category, Effects on or via lactation | H362 | Calculation method |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 | |
| Full text of H-statements: see section 16 | | |

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

| | |
|-----------------------------------|--|
| Signal word (GHS UN) | - |
| Hazard statements (GHS UN) | H362 - May cause harm to breast-fed children H412 - Harmful to aquatic life with long lasting effects |
| Precautionary statements (GHS UN) | 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 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 | Product identifier | % | Classification according to the United Nations GHS |
|---|---------------------|---------|---|
| Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates | CAS-No.: 80939-62-4 | 1 – 2.5 | Flammable liquids Not classified Acute toxicity (oral) Not classified Skin corrosion/irritation, Category 2, H315 Serious eye damage/eye irritation, Category 2, H319 Hazardous to the aquatic environment – Chronic Hazard, Category 2, H411 |
| Alkanes, C14-17, chloro (MCCP) | CAS-No.: 85535-85-9 | 0.1 – 1 | Flammable liquids Not classified Acute toxicity (dermal) Not classified Reproductive toxicity, Additional category, Effects on or via lactation, H362 Hazardous to the aquatic environment – Acute Hazard, Category 1, H400 Hazardous to the aquatic environment – Chronic Hazard, Category 1, H410 |

Full text of H-statements: see section 16

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. |
| 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. |

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, if necessary

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. |
|--------------------------------|--|

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| | |
|-------------------|--|
| 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.

6.3. 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. |
|-------------------------|---|

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. |
| Consumer exposure controls | Avoid contact during pregnancy/while nursing. |

8.3. Individual protection measures, such as personal protective equipment (PPE)

| | |
|---|--|
| 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) | |

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8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

| | |
|---|------------------------|
| Physical state | Liquid |
| Colour | yellow beige. |
| Odour | Not available |
| Odour threshold | Not available |
| Melting point | Not available |
| Freezing point | Not available |
| Boiling point | > 300 °C |
| Flammability | Not available |
| Lower explosion limit | Not available |
| Upper explosion limit | Not available |
| Flash point | > 200 °C |
| Auto-ignition temperature | Not available |
| Decomposition temperature | > 200 °C |
| pH | Not available |
| pH solution | Not available |
| Viscosity, kinematic (calculated value) (40 °C) | Not available |
| Partition coefficient n-octanol/water (Log Kow) | Not available |
| Vapour pressure | < 0.1 hPa |
| Vapour pressure at 50°C | Not available |
| Density | 0.85 g/cm ³ |
| Relative density | Not available |
| Relative vapour density at 20°C | Not available |
| Solubility | Not available |
| Particle size | Not applicable |

9.2. Data relevant with regard to physical hazard classes (supplemental)

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.

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10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Toxic gases.

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 |
| LD50 dermal rat | > 2000 |
| 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, monohexyl and dihexyl 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 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 |
| 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) | Harmful to aquatic life with long lasting effects. |
| Not rapidly degradable | |

| 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) |
| 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 |

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

12.2. Persistence and degradability

| Turmogrease ALN 1001/00 | |
|-------------------------------|-------------------------|
| Not rapidly degradable | |
| 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 1001/00 | |
|---------------------------|--------------------------------------|
| 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 Kow) | 4.7 – 8.3 (Experimental value, Equivalent or similar to OECD 117) |
| 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) | |
|--|---------------------------------------|
| 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

13.1. Disposal methods

| | |
|------------------------------|---|
| Regional legislation (waste) | Dispose must be done according to official regulations. |
| 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 |



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| ADR | IMDG | IATA | RID |
|---|----------------|----------------|----------------|
| 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 | | | |

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

Regulatory reference

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

SECTION 16: Other information

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Data sources JCDB.

| Full text of H-statements: | |
|----------------------------|--|
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H362 | May cause harm to breast-fed children |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |



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| Full text of H-statements: | |
|----------------------------|---|
| H412 | Harmful to aquatic life with long lasting effects |

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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.