

# Turmogrease ALN 1001/0

|           |                                                                                                                                                                                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>en</b> | This safety data sheet file is issued for the following production lots:<br>1. Version 1.x/2.0 is valid for Turmogrease ALN 1001/0 with UFI NQ8V-DAFW-HT3S-P5Q9 (see label)<br>2. Version 3.0 is valid for Turmogrease ALN 1001/0 without UFI (see label)                                           |
| <b>de</b> | Diese Sicherheitsdatenblatt-Datei betrifft die folgenden Fertigungslose:<br>1. Version 1.x/2.0 ist gültig für Turmogrease ALN 1001/0 mit UFI NQ8V-DAFW-HT3S-P5Q9 (siehe Etikett)<br>2. Version 3.0 ist gültig für Turmogrease ALN 1001/0 ohne UFI (siehe Etikett)                                   |
| <b>nl</b> | Dit veiligheidsinformatiebladbestand wordt afgegeven voor de volgende productie-lots:<br>1. Versie 1.x/2.0 is geldig voor Turmogrease ALN 1001/0 met UFI NQ8V-DAFW-HT3S-P5Q9 (zie etiket)<br>2. Versie 3.0 is geldig voor Turmogrease ALN 1001/0 zonder UFI (zie etiket)                            |
| <b>fr</b> | Ce fichier de données de sécurité est délivré pour les lots de production suivants :<br>1. La version 1.x/2.0 est valide pour Turmogrease ALN 1001/0 avec UFI NQ8V-DAFW-HT3S-P5Q9 (voir étiquette)<br>2. La version 3.0 est valide pour Turmogrease ALN 1001/0 sans UFI (voir étiquette)            |
| <b>da</b> | Denne sikkerhedsdatabladsfil er udgivet for følgende produktions lots:<br>1. Version 1.x/2.0 er gældende for Turmogrease ALN 1001/0 med NQ8V-DAFW-HT3S-P5Q9 (se etiketten)<br>2. Version 3.0 er gældende for Turmogrease ALN 1001/0 uden UFI (se etiketten)                                         |
| <b>sv</b> | Denna säkerhetsdatabladsfil har utfärdats för följande tillverkningspartier:<br>1. Version 1.x/2.0 är giltig för Turmogrease ALN 1001/0 med UFI NQ8V-DAFW-HT3S-P5Q9 (se etikett)<br>2. Version 3.0 är giltig för Turmogrease ALN 1001/0 utan UFI (se etikett)                                       |
| <b>fi</b> | Tämä käyttöturvallisuustiedote koskee seuraavia tuotantoeriä:<br>1. Versio 1.x/2.0 koskee Turmogrease ALN 1001/0 -tuotetta, jonka UFI-koodi on NQ8V-DAFW-HT3S-P5Q9 (katso etiketti)<br>2. Versio 3.0 koskee Turmogrease ALN 1001/0 -tuotetta, jolla ei ole UFI-koodia (katso etiketti)              |
| <b>hu</b> | Ezt a biztonsági adatlapot a következő gyártási tételekhez bocsátják ki:<br>1. Az 1.x/2.0 verzió a Turmogrease ALN 1001/0 termékre érvényes, UFI kódja NQ8V-DAFW-HT3S-P5Q9 (lásd a címkét)<br>2. A 3.0 verzió a Turmogrease ALN 1001/0 termékre érvényes, UFI kód nélkül (lásd a címkét)            |
| <b>es</b> | Este archivo de hoja de datos de seguridad se emite para los siguientes lotes de producción:<br>1. Versión 1.x/2.0 válida para Turmogrease ALN 1001/0 con UFI NQ8V-DAFW-HT3S-P5Q9 (véase la etiqueta)<br>2. Versión 3.0 válida para Turmogrease ALN 1001/0 sin UFI (véase la etiqueta)              |
| <b>pt</b> | Este ficheiro com ficha de dados de segurança é emitido para os seguintes lotes de produção:<br>1. A versão 1.x/2.0 é válida para a Turmogrease ALN 1001/0 com UFI NQ8V-DAFW-HT3S-P5Q9 (ver rótulo)<br>2. A versão 3.0 é válida para a Turmogrease ALN 1001/0 sem UFI (ver rótulo)                  |
| <b>it</b> | Questo file della scheda tecnica di sicurezza è rilasciato per i seguenti lotti di produzione:<br>1. La versione 1.x/2.0 è valida per Turmogrease ALN 1001/0 con UFI NQ8V-DAFW-HT3S-P5Q9 (vedere etichetta)<br>2. La versione 3.0 è valida per Turmogrease ALN 1001/0 senza UFI (vedere etichetta)  |
| <b>pl</b> | Ten plik arkusza danych bezpieczeństwa jest wydany dla następujących części produkcyjnych:<br>1. Wersja 1.x/2.0 dotyczy produktu Turmogrease ALN 1001/0 z numerem UFI NQ8V-DAFW-HT3S-P5Q9 (patrz etykieta)<br>2. Wersja 3.0 dotyczy produktu Turmogrease ALN 1001/0 bez numeru UFI (patrz etykieta) |
| <b>ru</b> | Этот файл сертификата безопасности предоставлен для следующих партий продукции:<br>1. версия 1.x/2.0 действительна для Turmogrease ALN 1001/0 с UFI NQ8V-DAFW-HT3S-P5Q9 (см. этикетку)<br>2. версия 3.0 действительна для Turmogrease ALN 1001/0 без UFI (см. этикетку)                             |
| <b>el</b> | Το παρόν δελτίο δεδομένων ασφαλείας εκδίδεται για τις ακόλουθες παρτίδες παραγωγής:<br>1. Η έκδοση 1.x/2.0 ισχύει για το Turmogrease ALN 1001/0 με UFI NQ8V-DAFW-HT3S-P5Q9 (βλ. ετικέτα)<br>2. Η έκδοση 3.0 ισχύει για το Turmogrease ALN 1001/0 χωρίς UFI (βλ. ετικέτα)                            |
| <b>cs</b> | Tento bezpečnostní list je vydán pro následující výrobní šarže:<br>1. Verze 1.x/2.0 platí pro Turmogrease ALN 1001/0 s UFI NQ8V-DAFW-HT3S-P5Q9 (viz štítek)<br>2. Verze 3.0 platí pro Turmogrease ALN 1001/0 bez UFI (viz štítek)                                                                   |
| <b>bg</b> | Този информационен лист за безопасност се публикува за следните производствени партии:<br>1. Версия 1.x/2.0 е валидна за Turmogrease ALN 1001/0 с UFI NQ8V-DAFW-HT3S-P5Q9 (виж етикета)<br>2. Версия 3.0 е валидна за Turmogrease ALN 1001/0 без UFI (виж етикета)                                  |
| <b>lv</b> | Šo drošības datu lapa ir izsniegta šādām ražojumu partijām:<br>1. Versija 1.x/2.0 ir spēkā Turmogrease ALN 1001/0 ar UFI NQ8V-DAFW-HT3S-P5Q9 (skatīt etiķeti)<br>2. Versija 3.0 ir spēkā Turmogrease ALN 1001/0 bez UFI (skatīt etiķeti)                                                            |
| <b>lt</b> | Šis saugos duomenų lapo failas išduodamas šioms gamybos partijoms:<br>1. Versija 1.x/2.0 galioja „Turmogrease ALN 1001/0“ su UFI NQ8V-DAFW-HT3S-P5Q9 (žr. etiketę).<br>2. Versija 3.0 galioja „Turmogrease ALN 1001/0“ be UFI (žr. etiketę)                                                         |
| <b>sk</b> | Tento súbor bezpečnostných údajov sa vydáva pre tieto výrobné šarže:<br>1. Verzia 1.x/2.0 platí pre Turmogrease ALN 1001/0 s UFI NQ8V-DAFW-HT3S-P5Q9 (pozri etiketu)<br>2. Verzia 3.0 platí pre Turmogrease ALN 1001/0 bez UFI (pozri etiketu)                                                      |
| <b>sl</b> | Datoteka z varnostnim listom je izdana za naslednje proizvodne serije:<br>1. Različica 1.x/2.0 velja za Turmogrease ALN 1001/0 z UFI NQ8V-DAFW-HT3S-P5Q9 (glej etiketo)<br>2. Različica 3.0 velja za Turmogrease ALN 1001/0 brez UFI (glej etiketo)                                                 |
| <b>et</b> | See ohutuskardi fail on välja antud järgmistele tootepartidele:<br>1. Versioon 1.x/2.0 kehtib Turmogrease ALN 1001/0 tootele, mille UFI on NQ8V-DAFW-HT3S-P5Q9 (vt etiketti).<br>2. Versioon 3.0 kehtib Turmogrease ALN 1001/0 kohta ilma UFI-koodita (vt etikett)                                  |

# Turmogrease ALN 1001/0

|    |                                                                                                                                                                                                                                                                                                                  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ro | Acest fișier cu date tehnice de securitate este emis pentru următoarele locuri de producție:<br>1. Versiunea 1.x/2.0 este valabilă pentru Turmogrease ALN 1001/0 cu UFI NQ8V-DAFW-HT3S-P5Q9 (a se vedea eticheta)<br>2. Versiunea 3.0 este valabilă pentru Turmogrease ALN 1001/0 fără UFI (a se vedea eticheta) |
| hr | Ovaj sigurnosno-tehnički list izdaje se za sljedeće proizvodne serije:<br>1. Verzija 1.x/2.0 vrijedi za Turmogrease ALN 1001/0 s UFI NQ8V-DAFW-HT3S-P5Q9 (vidi etiketu)<br>2. Verzija 3.0 vrijedi za Turmogrease ALN 1001/0 bez UFI (vidi etiketu)                                                               |
| tr | Bu güvenlik bilgi formu dosyası aşağıdaki üretim partileri için hazırlanmıştır:<br>1. Versiyon 1.x/2.0, UFI NQ8V-DAFW-HT3S-P5Q9 (etikete bakınız) numaralı Turmogrease ALN 1001/0 için geçerlidir.<br>2. Versiyon 3.0, UFI numarası olmayan Turmogrease ALN 1001/0 için geçerlidir (etikete bakınız).            |
| uk | Цей файл сертифіката безпеки надано для наступних партій продукції:<br>1. Версія 1.x/2.0 дійсна для Turmogrease ALN 1001/0 з UFI NQ8V-DAFW-HT3S-P5Q9 (див. етикетку)<br>2. Версія 3.0 дійсна для Turmogrease ALN 1001/0 без UFI (див. етикетку)                                                                  |
| zh | 本安全数据表文件针对以下生产批次发布：<br>1. 版本 1.x/2.0 适用于 Turmogrease ALN 1001/0 带 UFI NQ8V-DAFW-HT3S-P5Q9 (见标签)<br>2. 版本 3.0 适用于 Turmogrease ALN 1001/0 不带 UFI (见标签)                                                                                                                                                             |
| ar | يتم إصدار ملف صحيفة بيانات السلامة لتشغيلات الإنتاج التالية:<br>1. الإصدار 1.x/2.0 صالح لـ Turmogrease ALN 1001/0 مع UFI NQ8V-DAFW-HT3S-P5Q9 (انظر الملصق)<br>2. الإصدار 3.0 صالح لـ Turmogrease ALN 1001/0 بدون (انظر الملصق)                                                                                   |
| ja | この安全性データシートファイルは、次の生産ロット用に発行されています：<br>1. バージョン1.x/2.0は、UFI NQ8V-DAFW-HT3S-P5Q9（ラベル参照）を有するTurmogrease ALN 1001/0に適用されます。<br>2. バージョン3.0は、UFIのないTurmogrease ALN 1001/0（ラベル参照）に適用されます。                                                                                                                             |
| sr | Datoteka bezbednosnog lista se izdaje za sledeće proizvodne serije:<br>1. Verzija 1.x/2.0 važi za Turmogrease ALN 1001/0 sa UFI NQ8V-DAFW-HT3S-P5Q9 (videti etiketu)<br>2. Verzija 3.0 važi za Turmogrease ALN 1001/0 bez UFI (videti etiketu)                                                                   |
| ms | Fail helaian data keselamatan ini dikeluarkan untuk lot pengeluaran yang berikut:<br>1. Versi 1.x/2.0 sah untuk Turmogrease ALN 1001/0 dengan UFI NQ8V-DAFW-HT3S-P5Q9 (lihat label)<br>2. Versi 3.0 sah untuk Turmogrease ALN 1001/0 tanpa UFI (lihat label)                                                     |
| ko | 본 안전보건자료는 다음 제품 로트에 대해 발급되었습니다.<br>1. 버전 1.x/2.0은 UFI NQ8V-DAFW-HT3S-P5Q9(라벨 참조)를 포함한 Turmogrease ALN 1001/0에 적용됩니다.<br>2. 버전 3.0은 UFI가 없는 Turmogrease ALN 1001/0에 적용됩니다(라벨 참조).                                                                                                                                 |
| id | File lembar data keselamatan ini diterbitkan untuk lot produksi berikut:<br>1. Versi 1.x/2.0 berlaku untuk Turmogrease ALN 1001/0 dengan UFI NQ8V-DAFW-HT3S-P5Q9 (lihat label)<br>2. Versi 3.0 berlaku untuk Turmogrease ALN 1001/0 tanpa UFI (lihat label)                                                      |
| he | קובץ גיליון נתוני בטיחות זה מונפק עבור מגרשי הייצור הבאים:<br>1. גרסה 1.x/2.0 תקפה ל- Turmogrease ALN 1001/0 עם UFI NQ8V-DAFW-HT3S-P5Q9 (ראה תווית)<br>2. גרסה 3.0 תקפה ל- Turmogrease ALN 1001/0 ללא UFI (ראה תווית)                                                                                            |
| th | แผนข้อมูลด้านความปลอดภัยนี้จัดทำขึ้นสำหรับล็อตการผลิตดังต่อไปนี้:<br>1. เวอร์ชัน 1.x/2.0 ใช้ได้กับ Turmogrease ALN 1001/0 ที่มี UFI NQ8V-DAFW-HT3S-P5Q9 (ดูฉลาก)<br>2. เวอร์ชัน 3.0 ใช้ได้กับ Turmogrease ALN 1001/0 ที่ไม่มี UFI (ดูฉลาก)                                                                       |
| vi | Tập bản dữ liệu an toàn này được phát hành cho các lô sản xuất sau:<br>1. Phiên bản 1.x/2.0 áp dụng cho Turmogrease ALN 1001/0 có mã UFI NQ8V-DAFW-HT3S-P5Q9 (xem nhãn)<br>2. Phiên bản 3.0 áp dụng cho Turmogrease ALN 1001/0 không có mã UFI (xem nhãn)                                                        |
| zf | 下列生產批次將獲核發本安全資料表檔案：<br>1. 版本 1.x/2.0 適用於 Turmogrease ALN 1001/0, UFI NQ8V-DAFW-HT3S-P5Q9（見標籤）。<br>2. 版本 3.0 適用於不含 UFI 的 Turmogrease ALN 1001/0（見標籤）。                                                                                                                                                             |
| kk | Бұл қауіпсіздік паспорты мына өндірістік партиялар үшін шығарылады:<br>1. 1.x/2.0 нұсқасы UFI NQ8V-DAFW-HT3S-P5Q9 бар Turmogrease ALN 1001/0 үшін жарамды (белгіні қараңыз)<br>2. 3.0 нұсқасы UFI жоқ Turmogrease ALN 1001/0 үшін жарамды (белгіні қараңыз)                                                      |

# Turmogrease ALN 1001/0

## 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 1001/0 |
| 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

|                              |                                          |
|------------------------------|------------------------------------------|
| 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](mailto: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](mailto:anchor.hse@hilti.com)

#### 1.5. Emergency phone number

|                  |                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------|
| Emergency number | Schweizerisches Toxikologisches Informationszentrum – 24h Service<br>+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<br>H412 - Harmful to aquatic life with long lasting effects                                                           |
| Precautionary statements (GHS UN) | P263 - Avoid contact during pregnancy and while nursing.<br>P270 - Do not eat, drink or smoke when using this product.<br>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

# Turmogrease ALN 1001/0

## Safety Data Sheet

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

### 3.2. Mixtures

| Name                                                            | Product identifier  | %       | Classification according to the United Nations GHS                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------|---------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates | CAS-No.: 80939-62-4 | 1 – 2.5 | Flammable liquids Not classified<br>Acute toxicity (oral) Not classified<br>Skin corrosion/irritation, Category 2, H315<br>Serious eye damage/eye irritation, Category 2, H319<br>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<br>Acute toxicity (dermal) Not classified<br>Reproductive toxicity, Additional category, Effects on or via lactation, H362<br>Hazardous to the aquatic environment – Acute Hazard, Category 1, H400<br>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. |
|--------------------------------|------------------------------------------------------------------|

# Turmogrease ALN 1001/0

## Safety Data Sheet

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

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

# Turmogrease ALN 1001/0

## Safety Data Sheet

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



### 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 <sup>3</sup> |
| 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.

# Turmogrease ALN 1001/0

## Safety Data Sheet

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

### 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 1001/0                                                       |                                                                                   |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 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. |

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

# Turmogrease ALN 1001/0

## Safety Data Sheet

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

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

### 12.2. Persistence and degradability

| Turmogrease ALN 1001/0                      |                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------|
| 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 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 1001/0                                     |                                       |
|------------------------------------------------------------|---------------------------------------|
| 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) | Disposal 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 |



# Turmogrease ALN 1001/0

## Safety Data Sheet

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

| ADR                                     | IMDG           | IATA           | RID            |
|-----------------------------------------|----------------|----------------|----------------|
| <b>14.2. UN proper shipping name</b>    |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <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

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

Issue date 16/12/2022  
Revision date 16/12/2022

| 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      |
| H412                       | Harmful to aquatic life with long lasting effects    |



# Turmogrease ALN 1001/0

## Safety Data Sheet

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

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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.



# Turmogrease ALN 1001/0

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Issue date: 28/07/2025

Revision date: 28/07/2025

Supersedes: 16/12/2022

Version: 3.0

### SECTION 1: Identification

#### 1.1. GHS Product identifier

|              |                        |
|--------------|------------------------|
| Product form | Mixture                |
| Trade name   | Turmogrease ALN 1001/0 |
| 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

|                              |                                     |
|------------------------------|-------------------------------------|
| Use of the substance/mixture | Lubricants, greases, release agents |
| Restrictions on use          | For professional use only           |

#### 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](mailto:hiltibahrain@hilti.com), <https://www.hilti-me.com/>

##### Department issuing data specification sheet

Hilti AG  
Feldkircherstraße 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 phone number

|                  |                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------|
| Emergency number | Emergency CONTACT (24-Hour-Number):<br>GBK GmbH Global Regulatory Compliance<br>+49 (0)6132-84463 |
|------------------|---------------------------------------------------------------------------------------------------|

### SECTION 2: Hazard identification

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

Classification according to the United Nations GHS

Not classified

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

Labelling according to the United Nations GHS

No labelling applicable

#### 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

# Turmogrease ALN 1001/0

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

### 3.2. Mixtures

| Name                                                 | Product identifier | %        | Classification according to the United Nations GHS                                                                                                                                               |
|------------------------------------------------------|--------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) | CAS-No.: 4259-15-8 | 1 - <2.5 | Flammable liquids Not classified<br>Acute toxicity (oral), Category 5, H303<br>Acute toxicity (dermal) Not classified<br>Hazardous to the aquatic environment – Chronic Hazard, Category 2, H411 |

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 | Take off immediately all contaminated clothing. Wash skin with mild soap and 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    | Rinse mouth out with water. Drink plenty of water. If you feel unwell, seek medical advice.                                                  |

### 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   | Dry powder. Carbon dioxide. ABC-powder. Foam. Sand.       |
| 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

|                                |                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | Use a self-contained breathing apparatus and also a protective suit.                                                                                |
| Other information              | Do not allow run-off from fire fighting to enter drains or water courses.                                                                           |

## 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.                                                                     |
| Emergency procedures | Ventilate spillage area. Evacuate unnecessary personnel. Do not breathe vapours, spray, mist. |

# Turmogrease ALN 1001/0

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

### 6.1.2. For emergency responders

|                      |                                                                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | Ventilate area. Evacuate unnecessary personnel.                                                                                                           |

### 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

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

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | Using a clean shovel, put the material in a dry container and cover without compressing it.                                                              |
| Methods for cleaning up | Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Absorb spillage with: Diatomaceous earth. universal binders. |
| Other information       | Dispose of materials or solid residues at an authorized site.                                                                                            |

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |                                                                                                                                                                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | Ensure good ventilation of the work station. Avoid breathing vapours, spray, mist. Avoid contact with skin and eyes. Avoid contact during pregnancy/while nursing. Wear personal protective equipment. Do not eat, drink or smoke when using this product.                          |
| Hygiene measures              | 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. Always wash hands after handling the product. |

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

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Technical measures         | Keep in a cool, well-ventilated place away from heat.                                                                       |
| Storage conditions         | Keep container tightly closed in a cool place. Keep away from heat and direct sunlight. Avoid contact with : air or oxygen. |
| 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

|                                  |                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls | Ensure good ventilation of the work station.                                                                                   |
| Environmental exposure controls  | Do not eat and do not drink during use. Do not allow product to spread into the environment. Avoid release to the environment. |
| Consumer exposure controls       | Avoid contact during pregnancy/while nursing.                                                                                  |

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

#### Personal protective equipment:

|                                   |                                                                          |
|-----------------------------------|--------------------------------------------------------------------------|
| Safety glasses. Gloves.           |                                                                          |
| Materials for protective clothing | Butyl-rubber protective gloves. Nitrile rubber                           |
| Hand protection                   | Protective gloves                                                        |
| Eye protection                    | Safety glasses                                                           |
| Skin and body protection          | Wear suitable gloves                                                     |
| Respiratory protection            | In case of insufficient ventilation, wear suitable respiratory equipment |

# Turmogrease ALN 1001/0

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

### Personal protective equipment symbol(s)



### 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                                  | Solid             |
| Appearance                                      | Pasty             |
| Colour                                          | 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 applicable    |
| Upper explosion limit                           | Not applicable    |
| Flash point                                     | > 200 °C          |
| Auto-ignition temperature                       | Not applicable    |
| Decomposition temperature                       | > 200 °C          |
| pH                                              | Not available     |
| pH solution                                     | Not available     |
| Viscosity, kinematic (calculated value) (40 °C) | Not applicable    |
| Partition coefficient n-octanol/water (Log Kow) | Not available     |
| Vapour pressure                                 | < 0.1 hPa (50 °C) |
| Vapour pressure at 50°C                         | Not available     |
| Density                                         | 0.86 g/cm³        |
| Relative density                                | Not available     |
| Relative vapour density at 20°C                 | Not applicable    |
| Solubility                                      | Not available     |
| Particle size                                   | Not available     |

### 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.

# Turmogrease ALN 1001/0

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Toxic gases. Toxic vapours.

## 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 1001/0                                           |                           |
|------------------------------------------------------------------|---------------------------|
| LD50 oral rat                                                    | > 2000 mg/kg              |
| LD50 dermal rabbit                                               | > 2000 mg/kg              |
| Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8) |                           |
| LD50 oral rat                                                    | 3100 mg/kg                |
| LD50 dermal rabbit                                               | > 5000 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                                            | Not classified            |
| 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

|                                                           |                                                                                                                       |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | Not classified                                                                                                        |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified                                                                                                        |

### 12.2. Persistence and degradability

| Turmogrease ALN 1001/0                                           |                                      |
|------------------------------------------------------------------|--------------------------------------|
| Persistence and degradability                                    | No additional information available. |
| Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8) |                                      |
| Persistence and degradability                                    | Rapidly degradable                   |

### 12.3. Bioaccumulative potential

| Turmogrease ALN 1001/0    |                                      |
|---------------------------|--------------------------------------|
| Bioaccumulative potential | No additional information available. |



# Turmogrease ALN 1001/0

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

### 12.4. Mobility in soil

| Turmogrease ALN 1001/0 |                                     |
|------------------------|-------------------------------------|
| Mobility in soil       | No additional information available |
| Additional information | No information available            |

### 12.5. Other adverse effects

|                       |                                     |
|-----------------------|-------------------------------------|
| Ozone                 | Not classified                      |
| Other adverse effects | No additional information available |

## 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. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | Disposal must be done according to official regulations.                                                                                                            |
| Product/Packaging disposal recommendations | Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.                                               |
| Additional information                     | Do not re-use empty containers.                                                                                                                                     |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

| ADR                                    | IMDG          | IATA          | RID           |
|----------------------------------------|---------------|---------------|---------------|
| 14.1. UN number or ID number           |               |               |               |
| Not regulated                          | Not regulated | Not regulated | Not regulated |
| 14.2. UN 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

**Overland transport**  
Not regulated

**Transport by sea**  
Not regulated

**Air transport**  
Not regulated

**Rail transport**  
Not regulated



# Turmogrease ALN 1001/0

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

### 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

## SECTION 16: Other information

|               |            |
|---------------|------------|
| Issue date    | 7/28/2025  |
| Revision date | 7/28/2025  |
| Supersedes    | 12/16/2022 |

| Section | Changed item                           | Comments        |
|---------|----------------------------------------|-----------------|
| 2.1     | Classification (GHS UN)                | <b>Modified</b> |
| 2.2     | Hazard statements (GHS UN)             | <b>Removed</b>  |
| 2.2     | Precautionary statements (GHS UN)      | <b>Removed</b>  |
| 3       | Composition/information on ingredients | <b>Modified</b> |

### Abbreviations and acronyms

ACGIH - American Conference of Government Industrial Hygienists  
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE - Acute Toxicity Estimate  
 BCF - Bioconcentration factor  
 BLV - Biological limit value  
 BOD - Biochemical oxygen demand (BOD)  
 CAS-No. - Chemical Abstract Service number  
 CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
 COD - Chemical oxygen demand (COD)  
 CSA - Chemical safety assessment  
 DMEL - Derived Minimal Effect level  
 DNEL - Derived-No Effect Level  
 EC-No. - European Community number  
 EC50 - Median effective concentration  
 ED - Endocrine disruptor  
 EN - European Standard  
 EWC - European waste catalogue  
 IARC - International Agency for Research on Cancer  
 IATA - International Air Transport Association  
 IMDG - International Maritime Dangerous Goods  
 LC50 - Median lethal concentration  
 LD50 - Median lethal dose  
 LOAEL - Lowest Observed Adverse Effect Level  
 Log Kow - Partition coefficient n-octanol/water (Log Kow)  
 Log Pow - Partition coefficient n-octanol/water (Log Pow)  
 MAK - maximum workplace concentration  
 NOAEC - No-Observed Adverse Effect Concentration  
 NOAEL - No-Observed Adverse Effect Level  
 NOEC - No-Observed Effect Concentration

# Turmogrease ALN 1001/0

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

N.O.S. - Not Otherwise Specified  
OECD - Organisation for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OSHA - Occupational Safety Health Administration  
PBT - Persistent Bioaccumulative Toxic  
PNEC - Predicted No-Effect Concentration  
PPE - Personal protection equipment  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
SDS - Safety Data Sheet  
STP - Sewage treatment plant  
TF - Technical function  
ThOD - Theoretical oxygen demand (ThOD)  
TLM - Median Tolerance Limit  
TWA - Time Weighted Average  
VOC - Volatile Organic Compounds  
vPvB - Very Persistent and Very Bioaccumulative  
UFI - Unique Formula Identifier

| Full text of H-statements:         |                                                                   |
|------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 5 (Oral)                | Acute toxicity (oral), Category 5                                 |
| Acute Tox. Not classified (Dermal) | Acute toxicity (dermal) Not classified                            |
| Aquatic Chronic 2                  | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Flam. Liq. Not classified          | Flammable liquids Not classified                                  |
| H303                               | May be harmful if swallowed                                       |
| H411                               | Toxic 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.