

Turmogrease ALN 1001/0

en	This safety data sheet file is issued for the following production lots: 1. Version 1.x/2.0 is valid for Turmogrease ALN 1001/0 with UFI NQ8V-DAFW-HT3S-P5Q9 (see label) 2. Version 3.0 is valid for Turmogrease ALN 1001/0 without UFI (see label)
de	Diese Sicherheitsdatenblatt-Datei betrifft die folgenden Fertigungslosse: 1. Version 1.x/2.0 ist gültig für Turmogrease ALN 1001/0 mit UFI NQ8V-DAFW-HT3S-P5Q9 (siehe Etikett) 2. Version 3.0 ist gültig für Turmogrease ALN 1001/0 ohne UFI (siehe Etikett)
nl	Dit veiligheidsinformatiebladbestand wordt afgegeven voor de volgende productie-lots: 1. Versie 1.x/2.0 is geldig voor Turmogrease ALN 1001/0 met UFI NQ8V-DAFW-HT3S-P5Q9 (zie etiket) 2. Versie 3.0 is geldig voor Turmogrease ALN 1001/0 zonder UFI (zie etiket)
fr	Ce fichier de données de sécurité est délivré pour les lots de production suivants : 1. La version 1.x/2.0 est valide pour Turmogrease ALN 1001/0 avec UFI NQ8V-DAFW-HT3S-P5Q9 (voir étiquette) 2. La version 3.0 est valide pour Turmogrease ALN 1001/0 sans UFI (voir étiquette)
da	Denne sikkerhedsdatabladsfil er udgivet for følgende produktions lots: 1. Version 1.x/2.0 er gældende for Turmogrease ALN 1001/0 med NQ8V-DAFW-HT3S-P5Q9 (se etiketten) 2. Version 3.0 er gældende for Turmogrease ALN 1001/0 uden UFI (se etiketten)
sv	Denna säkerhetsdatabladsfil har utfärdats för följande tillverkningspartier: 1. Version 1.x/2.0 är giltig för Turmogrease ALN 1001/0 med UFI NQ8V-DAFW-HT3S-P5Q9 (se etikett) 2. Version 3.0 är giltig för Turmogrease ALN 1001/0 utan UFI (se etikett)
fi	Tämä käyttöturvallisuustiedote koskee seuraavia tuotantoeriä: 1. Versio 1.x/2.0 koskee Turmogrease ALN 1001/0 -tuotetta, jonka UFI-koodi on NQ8V-DAFW-HT3S-P5Q9 (katso etiketti) 2. Versio 3.0 koskee Turmogrease ALN 1001/0 -tuotetta, jolla ei ole UFI-koodia (katso etiketti)
hu	Ezt a biztonsági adatlapot a következő gyártási tételekhez bocsátják ki: 1. Az 1.x/2.0 verzió a Turmogrease ALN 1001/0 termékre érvényes, UFI kódja NQ8V-DAFW-HT3S-P5Q9 (lásd a címkét) 2. A 3.0 verzió a Turmogrease ALN 1001/0 termékre érvényes, UFI kód nélkül (lásd a címkét)
es	Este archivo de hoja de datos de seguridad se emite para los siguientes lotes de producción: 1. Versión 1.x/2.0 válida para Turmogrease ALN 1001/0 con UFI NQ8V-DAFW-HT3S-P5Q9 (véase la etiqueta) 2. Versión 3.0 válida para Turmogrease ALN 1001/0 sin UFI (véase la etiqueta)
pt	Este ficheiro com ficha de dados de segurança é emitido para os seguintes lotes de produção: 1. A versão 1.x/2.0 é válida para a Turmogrease ALN 1001/0 com UFI NQ8V-DAFW-HT3S-P5Q9 (ver rótulo) 2. A versão 3.0 é válida para a Turmogrease ALN 1001/0 sem UFI (ver rótulo)
it	Questo file della scheda tecnica di sicurezza è rilasciato per i seguenti lotti di produzione: 1. La versione 1.x/2.0 è valida per Turmogrease ALN 1001/0 con UFI NQ8V-DAFW-HT3S-P5Q9 (vedere etichetta) 2. La versione 3.0 è valida per Turmogrease ALN 1001/0 senza UFI (vedere etichetta)
pl	Ten plik arkusza danych bezpieczeństwa jest wydany dla następujących części produkcyjnych: 1. Wersja 1.x/2.0 dotyczy produktu Turmogrease ALN 1001/0 z numerem UFI NQ8V-DAFW-HT3S-P5Q9 (patrz etykieta) 2. Wersja 3.0 dotyczy produktu Turmogrease ALN 1001/0 bez numeru UFI (patrz etykieta)
ru	Этот файл сертификата безопасности предоставлен для следующих партий продукции: 1. версия 1.x/2.0 действительна для Turmogrease ALN 1001/0 с UFI NQ8V-DAFW-HT3S-P5Q9 (см. этикетку) 2. версия 3.0 действительна для Turmogrease ALN 1001/0 без UFI (см. этикетку)
el	Το παρόν δελτίο δεδομένων ασφαλείας εκδίδεται για τις ακόλουθες παρτίδες παραγωγής: 1. Η έκδοση 1.x/2.0 ισχύει για το Turmogrease ALN 1001/0 με UFI NQ8V-DAFW-HT3S-P5Q9 (βλ. ετικέτα) 2. Η έκδοση 3.0 ισχύει για το Turmogrease ALN 1001/0 χωρίς UFI (βλ. ετικέτα)
cs	Tento bezpečnostní list je vydán pro následující výrobní šarže: 1. Verze 1.x/2.0 platí pro Turmogrease ALN 1001/0 s UFI NQ8V-DAFW-HT3S-P5Q9 (viz štítek) 2. Verze 3.0 platí pro Turmogrease ALN 1001/0 bez UFI (viz štítek)
bg	Този информационен лист за безопасност се публикува за следните производствени партии: 1. Версия 1.x/2.0 е валидна за Turmogrease ALN 1001/0 с UFI NQ8V-DAFW-HT3S-P5Q9 (виж етикета) 2. Версия 3.0 е валидна за Turmogrease ALN 1001/0 без UFI (виж етикета)
lv	Šo drošības datu lapa ir izsniegta šādām ražojumu partijām: 1. Versija 1.x/2.0 ir spēkā Turmogrease ALN 1001/0 ar UFI NQ8V-DAFW-HT3S-P5Q9 (skatīt etiķeti) 2. Versija 3.0 ir spēkā Turmogrease ALN 1001/0 bez UFI (skatīt etiķeti)
lt	Šis saugos duomenų lapo failas išduodamas šioms gamybos partijoms: 1. Versija 1.x/2.0 galioja „Turmogrease ALN 1001/0“ su UFI NQ8V-DAFW-HT3S-P5Q9 (žr. etiketę). 2. Versija 3.0 galioja „Turmogrease ALN 1001/0“ be UFI (žr. etiketę)
sk	Tento súbor bezpečnostných údajov sa vydáva pre tieto výrobné šarže: 1. Verzia 1.x/2.0 platí pre Turmogrease ALN 1001/0 s UFI NQ8V-DAFW-HT3S-P5Q9 (pozri etiketu) 2. Verzia 3.0 platí pre Turmogrease ALN 1001/0 bez UFI (pozri etiketu)
sl	Datoteka z varnostnim listom je izdana za naslednje proizvodne serije: 1. Različica 1.x/2.0 velja za Turmogrease ALN 1001/0 z UFI NQ8V-DAFW-HT3S-P5Q9 (glej etiketo) 2. Različica 3.0 velja za Turmogrease ALN 1001/0 brez UFI (glej etiketo)
et	See ohutuskardi fail on välja antud järgmistele tootepartidele: 1. Versioon 1.x/2.0 kehtib Turmogrease ALN 1001/0 tootele, mille UFI on NQ8V-DAFW-HT3S-P5Q9 (vt etiketti). 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: 1. Versiunea 1.x/2.0 este valabilă pentru Turmogrease ALN 1001/0 cu UFI NQ8V-DAFW-HT3S-P5Q9 (a se vedea eticheta) 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: 1. Verzija 1.x/2.0 vrijedi za Turmogrease ALN 1001/0 s UFI NQ8V-DAFW-HT3S-P5Q9 (vidi etiketu) 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: 1. Versiyon 1.x/2.0, UFI NQ8V-DAFW-HT3S-P5Q9 (etikete bakınız) numaralı Turmogrease ALN 1001/0 için geçerlidir. 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: 1. Версія 1.x/2.0 дійсна для Turmogrease ALN 1001/0 з UFI NQ8V-DAFW-HT3S-P5Q9 (див. етикетку) 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： 1. 版本 1.x/2.0 适用于 Turmogrease ALN 1001/0 带 UFI NQ8V-DAFW-HT3S-P5Q9 (见标签) 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: 1. الإصدار 1.x/2.0 صالح لـ Turmogrease ALN 1001/0 مع UFI NQ8V-DAFW-HT3S-P5Q9 (انظر الملصق) 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： 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。 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: 1. Verzija 1.x/2.0 važi za Turmogrease ALN 1001/0 sa UFI NQ8V-DAFW-HT3S-P5Q9 (videti etiketu) 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: 1. Versi 1.x/2.0 sah untuk Turmogrease ALN 1001/0 dengan UFI NQ8V-DAFW-HT3S-P5Q9 (lihat label) 2. Versi 3.0 sah untuk Turmogrease ALN 1001/0 tanpa UFI (lihat label)
ko	본 안전보건자료는 다음 제품 로트에 대해 발급되었습니다. 1. 버전 1.x/2.0은 UFI NQ8V-DAFW-HT3S-P5Q9(라벨 참조)를 포함한 Turmogrease ALN 1001/0에 적용됩니다. 2. 버전 3.0은 UFI가 없는 Turmogrease ALN 1001/0에 적용됩니다(라벨 참조).
id	File lembar data keselamatan ini diterbitkan untuk lot produksi berikut: 1. Versi 1.x/2.0 berlaku untuk Turmogrease ALN 1001/0 dengan UFI NQ8V-DAFW-HT3S-P5Q9 (lihat label) 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: 1. גרסה 1.x/2.0 תקפה ל- Turmogrease ALN 1001/0 עם UFI NQ8V-DAFW-HT3S-P5Q9 (ראה תווית) 2. גרסה 3.0 תקפה ל- Turmogrease ALN 1001/0 ללא UFI (ראה תווית)
th	แผนข้อมูลด้านความปลอดภัยนี้จัดทำขึ้นสำหรับล็อตการผลิตดังต่อไปนี้: 1. เวอร์ชัน 1.x/2.0 ใช้ได้กับ Turmogrease ALN 1001/0 ที่มี UFI NQ8V-DAFW-HT3S-P5Q9 (ดูฉลาก) 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: 1. Phiên bản 1.x/2.0 áp dụng cho Turmogrease ALN 1001/0 có mã UFI NQ8V-DAFW-HT3S-P5Q9 (xem nhãn) 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： 1. 版本 1.x/2.0 適用於 Turmogrease ALN 1001/0, UFI NQ8V-DAFW-HT3S-P5Q9（見標籤）。 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: 1. 1.x/2.0 нұсқасы UFI NQ8V-DAFW-HT3S-P5Q9 бар Turmogrease ALN 1001/0 үшін жарамды (белгіні қараңыз) 2. 3.0 нұсқасы UFI жоқ Turmogrease ALN 1001/0 үшін жарамды (белгіні қараңыз)



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Version:1.1

Revision date: 2025/07/14

Issue date: 2025/07/14

Supersedes: 2022/12/16

SECTION 1 Chemical product and company identification

Product identifier

Product form	Mixture
Product name	Turmogrease ALN 1001/0
Product code	ETA Lubricants
Chemical Chinese name	
Chemical English name	
Recommended use of the chemical	Lubricants, Greases and Release Products
Restricted use of the chemical	For professional use only

Details of the supplier of the safety data sheet

Supplier Hilti (China) Ltd. 8F, Tower 2, No.58 Yao Yuan Rd. Pudong District 200126 Shanghai - China T +86 21 6016 7316	Department issuing data specification sheet Hilti AG Feldkircherstraße 100 9494 Schaan - Liechtenstein T +423 234 2111 product.compliance-power.tools@hilti.com
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Emergency telephone number

Emergency number	Emergency CONTACT (24-Hour-Number) GBK GmbH Global Regulatory Compliance +49 (0)6132-84463
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Country	Organisation/Company	Address	Emergency number
China	中国境内化学事故应急咨询电话 / chemical accident emergency consultation service hotline (24/7)		+86 532 83889090

SECTION 2 Hazards identification

Emergency overview

May cause harm to breast-fed children. Harmful to aquatic life with long lasting effects. Stable under normal conditions of use. Use personal protective equipment as required.



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

GHS hazard classification

Health hazards	Reproductive toxicity, Additional category, Effects on or via lactation
Environmental hazards	Hazardous to the aquatic environment - Acute hazard, Category 3 Hazardous to the aquatic environment - Chronic hazard, Category 3
Other hazards not mentioned above are	Not applicable or No data is available.

Label elements

Hazard statements (GHS CN)	H362 - May cause harm to breast-fed children H412 - Harmful to aquatic life with long lasting effects.
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Precautionary statements (GHS CN)

Prevention measures	P263 - Avoid contact during pregnancy/while nursing. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment.
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Physical and chemical hazards

No additional information available

Health hazards

May cause harm to breast-fed children	
Symptoms/effects	No information available

Environmental hazards

Harmful to aquatic life with long lasting effects

Other hazards

No additional information available

SECTION 3 Composition/information on ingredients

Product form Mixture.

Ingredient(s)	Concentration or concentration ranges (w/w %)	CAS No.	Classification (GHS CN)
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate)	< 2.5	4259-15-8	Acute toxicity (Oral), Category 5 Hazardous to the aquatic environment - Chronic hazard, Category 2



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Alkanes, C14-17, chloro (MCCP)	0.1 - 1	85535-85-9	Reproductive toxicity, Additional category, Effects on or via lactation Hazardous to the aquatic environment - Acute hazard, Category 1 Hazardous to the aquatic environment - Chronic hazard, Category 1
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SECTION 4 First-aid measures

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

Most important symptoms/effects

Symptoms/effects	No information available
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Advices for first aid responders

No additional information available

Notes for the doctor

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

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



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Specific hazards

Hazardous decomposition products in case of fire	Carbon dioxide Carbon monoxide
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Advice for firefighters and protective measures

Firefighting instructions	No additional information available
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

Personal precautions, protective equipment and emergency procedures

General measures	Spilled material may present a slipping hazard
Personal Precautions, Protective Equipment and Emergency Procedures	No additional information available

For non-emergency personnel

Protective equipment	No information available
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For emergency responders

Protective equipment	For further information refer to section 8: "Exposure controls/personal protection"
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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

Methods and material for containment and cleaning up

Methods for cleaning	No additional information available
For containment	No additional information available

Prevention measures for secondary accidents

Prevention Measures for Secondary Accidents	No additional information available
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SECTION 7 Handling and storage

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
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Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

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

Local and general ventilation

No additional information available

Storage

Storage conditions

Keep container tightly closed in a cool place
Keep away from heat and direct sunlight

Material used in packaging/containers

No additional information available

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 equipment

Occupational exposure limits

No additional information available

Biological limit values

No additional information available

Monitoring methods

No additional information available

Appropriate engineering controls

No additional information available

Personal protective equipment

Personal protective equipment

Safety glasses
Gloves

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.

Materials for protective clothing

Butyl-rubber protective gloves
Nitrile rubber

Hand protection

No additional information available

Eye protection

ISO 16321-1

Skin and body protection

Wear suitable gloves

Respiratory protection

No additional information available

Personal protective equipment symbol(s)





Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

SECTION 9 Physical and chemical properties

Physical state	Liquid
Appearance	No data available
Colour	Yellow
Odour	No data available
pH	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	> 300 °C
Flash point	> 200 °C
Auto-ignition temperature	No data available
Decomposition temperature	> 200 °C.
Vapour pressure	< 0.1 hPa
Relative vapour density at 20° C	No data available
Density	0.85 g/cm ³
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Radioactive	No

SECTION 10 Stability and reactivity

Chemical stability	Stable under normal conditions
Reactivity	No additional information available
Possibility of hazardous reactions	Strong acids Strong bases
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon dioxide Carbon monoxide Toxic gases
Other properties	No additional information available

SECTION 11 Toxicological information

Acute toxicity

Acute toxicity (oral)	No data available
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	No data available

Turmogrease ALN 1001/0

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Alkanes, C14-17, chloro (MCCP) (85535-85-9)

LD50 oral rat	> 4000 mg/kg bodyweight (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	15000 mg/kg



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

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))
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
LD50 oral rat	3100 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation

Skin corrosion/irritation No data available

Serious eye damage/eye irritation

Serious eye damage/irritation No data available

Respiratory or skin sensitisation

Respiratory or skin sensitisation No data available

Germ cell mutagenicity

Germ cell mutagenicity No data available

Carcinogenicity

Carcinogenicity No data available

Reproductive toxicity

Reproductive toxicity May cause harm to breast-fed children.

ST0T - single exposure

ST0T - single exposure No data available

ST0T - repeated exposure

ST0T - repeated exposure No data available

Aspiration hazard

Aspiration hazard No data available

Turmogrease ALN 1001/0

Density 0.85 g/cm³

SECTION 12 Ecological information

Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) Harmful to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) Harmful to aquatic life with long lasting effects.



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
LC50 - Fish [1]	> 5000 mg/l (Equivalent or similar to OECD 203, 96 h, Alburnus alburnus, Static system, Brackish water, Experimental value, Nominal concentration)
ErC50 algae	> 3.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
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)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 - 5.2 (log Koc, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	4.7 - 8.3 (Experimental value, Equivalent or similar to OECD 117)

Persistence and degradability

Turmogrease ALN 1001/0

Persistence and degradability Not rapidly degradable

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

Bioaccumulative potential

Turmogrease ALN 1001/0

Bioaccumulative potential No additional information available

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000)
BCF - Fish [1]	See section 12.1 on ecotoxicology6660 - 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)

Mobility in soil

Turmogrease ALN 1001/0

Bioaccumulative potential No additional information available

Additional information No information available

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000)
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	Adsorbs into the soil.



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Other adverse effects

Classification procedure (Ozone) No data available

SECTION 13 Disposal considerations

Waste treatment methods Dispose in a safe manner in accordance with local/national regulations.

Contaminated container and packaging No additional information available

Additional information No additional information available

Regional waste regulation Disposal must be done according to official 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 regulated	Not regulated	Not regulated
14.2. UN proper shipping name			
Not applicable	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not applicable	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not applicable	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not applicable	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not regulated

Air transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

SECTION 15 Regulatory information

New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)

Inventory of Existing Chemical Substances in China (IECSC) Listed

Regulations on the Safe Management of Hazardous Chemicals (Decree 591 of the State Council)

Catalogue of Hazardous Chemicals (2015) Contains Hazardous Chemical(s)
Alkanes, C14-17, chloro (MCCP)
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate)
Considered as Hazardous Chemical(s)

Identification of major hazard installations for dangerous chemicals (GB 18218) Not listed

Catalogue of Severely Restricted Toxic Chemicals Not listed

Catalogue of Explosive Precursor Dangerous Chemicals Not listed

Catalogue of Hazardous Chemicals Prohibited from Inland Waterway Transport Not listed

Law of the People's Republic of China on the Prevention and Control of Occupational Diseases

Catalogue for Classification of Hazardous Factors of Occupational Diseases Not listed

Regulations on Administration of Chemicals Subjected to Supervision and Control

Catalogue of Controlled Chemicals Not listed

Regulation on the Administration of Precursor Chemicals (Decree 445 of the State Council)

Catalogue of Precursor Chemicals Not listed

Other domestic regulatory lists

List of Export Control of Chemical Agents and Related Equipment and Technologies Not listed

List of Goods Prohibited from Export or Import Not listed

Inventory of Hazardous Chemicals under Key Supervision Not listed

SECTION 16 Other information

Section	Changed item	Change	Comments
	Legislation.	Modified.	
1.	Emergency number.	Modified.	
1.	Department issuing data specification sheet.	Modified.	
2.	Classification (GHS CN).	Modified.	
3.	Composition/information on ingredients.	Modified.	

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Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

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 GB/T 16483 and GB/T 17519

Version:3.0

Revision date: 2025/07/28

Issue date: 2025/07/28

Supersedes: 2025/07/14

SECTION 1 Chemical product and company identification

Product identifier

Product form	Mixture
Trade name	Turmogrease ALN 1001/0
Product code	BU ET&A
Chemical Chinese name	
Chemical English name	
Recommended use of the chemical	Lubricants, greases, release agents
Restricted use of the chemical	For professional use only

Details of the supplier of the safety data sheet

Supplier	Department issuing data specification sheet
Hilti (China) Ltd.	Hilti AG
8F, Tower 2, No.58 Yao Yuan Rd.	Feldkircherstraße 100
Pudong District	9494 Schaan - Liechtenstein
200126 Shanghai - China	T +423 234 2111
T +86 21 6016 7316	product.compliance-power.tools@hilti.com

Emergency telephone number

Emergency number	Emergency CONTACT (24-Hour-Number)
	GBK GmbH Global Regulatory Compliance
	+49 (0)6132-84463

Country	Organisation/Company	Address	Emergency number
China	中国境内化学事故应急咨询电话 / chemical accident emergency consultation service hotline (24/7)		+86 532 83889090

SECTION 2 Hazards identification

Emergency overview

Pasty. Beige. Dust/Mist. Ventilate area. Evacuate unnecessary personnel. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection"

GHS hazard classification

Other hazards not mentioned above are Not applicable or No data is available.

Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Label elements

No data available

Physical and chemical hazards

No additional information available

Health hazards

Symptoms/effects

No information available

Environmental hazards

No additional information available

Other hazards

No additional information available

SECTION 3 Composition/information on ingredients

Product form

Mixture.

Ingredient(s)	Concentration or concentration ranges (w/w %)	CAS No.	Classification (GHS CN)
Zinc bis[0,0-bis(2-ethylhexyl)]bis(dithiophosphate)	1 - <2.5	4259-15-8	Acute toxicity (Oral), Category 5 Hazardous to the aquatic environment - Chronic hazard, Category 2

SECTION 4 First-aid measures

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

Most important symptoms/effects

Symptoms/effects

No information available

Advices for first aid responders

No additional information available



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Notes for the doctor

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

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

Specific hazards

Hazardous decomposition products in case of fire	Carbon dioxide Carbon monoxide
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Advice for firefighters and protective measures

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

Personal precautions, protective equipment and emergency procedures

General measures	Spilled material may present a slipping hazard
Personal Precautions, Protective Equipment and Emergency Procedures	No additional information available

For non-emergency personnel

Protective equipment	No information available
Emergency procedures	Ventilate spillage area Evacuate unnecessary personnel Do not breathe vapours, spray, mist.

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

Environmental precautions

Avoid release to the environment



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Do not allow to enter drains or water courses

Notify authorities if product enters sewers or public waters

Methods and material for containment and cleaning up

Methods for cleaning

No additional information available

For containment

Using a clean shovel, put the material in a dry container and cover without compressing it

Prevention measures for secondary accidents

Prevention Measures for
Secondary Accidents

No additional information available

Other information

Dispose of materials or solid residues at an authorized site

SECTION 7 Handling and storage

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

Local and general
ventilation

No additional information available

Storage

Storage conditions

Keep container tightly closed in a cool place
Keep away from heat and direct sunlight
Avoid contact with : air or oxygen

Technical measures

Keep in a cool, well-ventilated place away from heat

Material used in
packaging/containers

No additional information available

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 equipment

Occupational exposure limits

No additional information available

Biological limit values

No additional information available

Monitoring methods

No additional information available

Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Appropriate engineering controls

Ensure good ventilation of the work station

Personal protective equipment

Personal protective equipment	Safety glasses Gloves
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.
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
Personal protective equipment symbol(s)	



SECTION 9 Physical and chemical properties

Physical state	Solid
Appearance	Pasty
Colour	Beige
Odour	No data available
pH	No data available
Melting point	No data available
Freezing point	Not applicable
Boiling point	> 300 °C
Flash point	> 200 °C
Auto-ignition temperature	Not applicable
Decomposition temperature	> 200 °C.
Vapour pressure	< 0.1 hPa (50 °C)
Relative vapour density at 20° C	No data available
Density	0.86 g/cm ³
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Radioactive	No

SECTION 10 Stability and reactivity

Chemical stability	Stable under normal conditions
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Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Reactivity	No additional information available
Possibility of hazardous reactions	Strong acids Strong bases
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon dioxide Carbon monoxide Toxic gases Toxic vapours
Other properties	No additional information available

SECTION 11 Toxicological information

Acute toxicity

Acute toxicity (oral)	No data available
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	No data available

Turmogrease ALN 1001/0

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

LD50 oral rat	3100 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation

Skin corrosion/irritation	No data available
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Serious eye damage/eye irritation

Serious eye damage/irritation	No data available
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Respiratory or skin sensitisation

Respiratory or skin sensitisation	No data available
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Germ cell mutagenicity

Germ cell mutagenicity	No data available
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Carcinogenicity

Carcinogenicity	No data available
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Reproductive toxicity

Reproductive toxicity	No data available
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ST0T - single exposure

ST0T - single exposure	No data available
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ST0T - repeated exposure

ST0T - repeated exposure	No data available
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Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Aspiration hazard

Aspiration hazard

No data available

Turmogrease ALN 1001/0

Density

0.86 g/cm³

SECTION 12 Ecological information

Ecotoxicity

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)

No data available

Hazardous to the aquatic environment, long-term (chronic)

No data available

No additional information available

Persistence and degradability

Turmogrease ALN 1001/0

Persistence and degradability

No additional information available

Bioaccumulative potential

Turmogrease ALN 1001/0

Bioaccumulative potential

No additional information available

Mobility in soil

Turmogrease ALN 1001/0

Bioaccumulative potential

No additional information available

Additional information

No information available

Other adverse effects

Classification procedure (Ozone)

No data available

SECTION 13 Disposal considerations

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.

Contaminated container and packaging

No additional information available

Additional information

Do not re-use empty containers.

Product/Packaging disposal recommendations

Comply with applicable regulations for solid waste disposal

Disposal must be done according to official regulations

Sewage disposal recommendations

Disposal must be done according to official regulations



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Regional waste regulation

Disposal must be done according to official regulations

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

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15 Regulatory information

New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)

Inventory of Existing Chemical Substances in China (IECSC) Listed

Regulations on the Safe Management of Hazardous Chemicals (Decree 591 of the State Council)

Catalogue of Hazardous Chemicals (2015)

Contains Hazardous Chemical(s)
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate)



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

Identification of major hazard installations for dangerous chemicals (GB 18218)	Not listed
Catalogue of Severely Restricted Toxic Chemicals	Not listed
Catalogue of Explosive Precursor Dangerous Chemicals	Not listed
Catalogue of Hazardous Chemicals Prohibited from Inland Waterway Transport	Not listed
Law of the People's Republic of China on the Prevention and Control of Occupational Diseases	
Catalogue for Classification of Hazardous Factors of Occupational Diseases	Not listed
Regulations on Administration of Chemicals Subjected to Supervision and Control	
Catalogue of Controlled Chemicals	Not listed
Regulation on the Administration of Precursor Chemicals (Decree 445 of the State Council)	
Catalogue of Precursor Chemicals	Not listed
Other domestic regulatory lists	
List of Export Control of Chemical Agents and Related Equipment and Technologies	Not listed
List of Goods Prohibited from Export or Import	Not listed
Inventory of Hazardous Chemicals under Key Supervision	Not listed

SECTION 16 Other information

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



Turmogrease ALN 1001/0

Safety Data Sheet

according to GB/T 16483 and GB/T 17519

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
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

Section	Changed item	Change	Comments
2.	Classification (GHS CN).	Modified.	
2.	Hazard statements (GHS CN).	Removed.	
3.	Precautionary statements (GHS CN).	Removed.	
3.	Composition/information on ingredients.	Modified.	

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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.