

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 Fertigungslose: 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 ICOP 2014

Issue date: 16/12/2022

Revision date: 16/12/2022

Supersedes:

Version: 1.0

SECTION 1: Identification of the hazardous chemical and of the supplier

1.1. Product identifier

Name Turmogrease ALN 1001/0

1.2. Other means of identification

Product code ETA Lubricants

1.3. Recommended use of the chemical and restrictions on use

Recommended use Lubricants, Greases and Release Products

Restrictions on use For professional use only

1.4. Supplier details

Supplier

Hilti (Malaysia) Sdn. Bhd.
F-5-A, Sime Darby Brunsfield Tower, No. 2, Jalan PJU 1A/7A
Oasis Square, Oasis Damansara
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Malaysia
T +60 3 5628 7222
1800 880 985 toll free - F +60 3 7848 7399

Department issuing data specification sheet

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Hiltistraße 6
86916 Kaufering
Deutschland
T +49 8191 906876
anchor.hse@hilti.com

1.5. Emergency phone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service
+41 44 251 51 51 (international)
+60 3 5628 7222
1800 880 985 toll free

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Reproductive toxicity, Additional category, Effects on or via lactation H362

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

2.2. Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Signal word (GHS MY) -

Hazard statements (GHS MY)

H362 - May cause harm to breast-fed children

H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS MY)

P263 - Avoid contact during pregnancy/while nursing

P270 - Do not eat, drink or smoke when using this product

P273 - Avoid release to the environment

2.3. Other hazards that do not result in classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

3.2. Mixtures

Name	Product identifier	%
Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates	CAS-No.: 80939-62-4	1 – 2.5
Alkanes, C14-17, chloro (MCCP)	CAS-No.: 85535-85-9	0.1 – 1

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.
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4.3. Indication of immediate medical attention and special treatment needed, if necessary

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

5.1. Suitable extinguishing media

Suitable extinguishing media	Carbon dioxide. Sand. Dry powder. Foam.
Unsuitable extinguishing media	Water. Strong water jet. Do not use a heavy water stream.

5.2. Physicochemical hazards arising from the chemical

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

Protection during firefighting	[In case of inadequate ventilation] wear respiratory protection.
Other information	Do not dispose of fire-fighting water in the environment. Do not allow product to spread into the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

General measures	Spilled material may present a slipping hazard.
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6.1.1. For non-emergency personnel

Protective equipment	No information available.
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6.1.2. For emergency responders

Protective equipment	For further information refer to section 8: "Exposure controls/personal protection".
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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.
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Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

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 and personal protection

8.1. Control parameters

No additional information available

Exposure limit values for the other components

No additional information available

8.1.1 Biological monitoring

No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures, such as 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):



Environmental exposure controls

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

Consumer exposure controls

Avoid contact during pregnancy/while nursing.

SECTION 9: Physical and chemical properties

Physical state

Liquid

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

Appearance	No data available
Colour	yellow beige
Odour	No data available
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	> 300 °C
Flash point	> 200 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Vapour pressure	Vapour pressure: < 0.1 hPa
Relative vapour density at 20°C	No data available
Relative density	No data available
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Partition coefficient n-octanol/water (Log Kow)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	> 200 °C
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Density	0.85 g/cm ³

SECTION 10: Stability and reactivity

Reactivity	No additional information available
Chemical stability	Stable under normal conditions
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

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

Skin corrosion or irritation	Not classified
Serious eye damage or eye irritation	Not classified

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

Respiratory sensitization	Not classified
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	May cause harm to breast-fed children.
Specific target organ toxicity (STOT) – single exposure	Not classified
Specific target organ toxicity (STOT) – repeated exposure	Not classified
Aspiration hazard	Not classified
Other information	No information available.

SECTION 12: Ecological information

12.1. Ecotoxicity

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
BCF - Fish [1]	6660 – 9140 l/kg (OECD 305: Bioconcentration: Flow-Through Fish Test, 35 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.7 – 8.3 (Experimental value, Equivalent or similar to OECD 117)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 – 5.2 (log Koc, Experimental value)

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

12.2. Persistence and degradability

Turmogrease ALN 1001/0	
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)

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Partition coefficient n-octanol/water (Log Pow)	4.7 – 8.3 (Experimental value, Equivalent or similar to OECD 117)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 – 5.2 (log Koc, Experimental value)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).

12.4. Mobility in soil

Turmogrease ALN 1001/0	
Mobility in soil	No additional information available
Additional information	No information available
Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Partition coefficient n-octanol/water (Log Pow)	4.7 – 8.3 (Experimental value, Equivalent or similar to OECD 117)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 – 5.2 (log Koc, Experimental value)
Ecology - soil	Low potential for mobility in soil.

12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

SECTION 13: Disposal information

13.1. Disposal methods

Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations.
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SECTION 14: Transportation information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

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 hazardous chemical in question

Regulation	Component/ Mixture	
EHS Notification and Registration Scheme		
Environmental Quality (Chlorofluorocarbons Prohibition) Order 1993	Not applicable	Turmogrease ALN 1001/0
Environmental Quality (Industrial Effluent) Regulations 2009		Turmogrease ALN 1001/0
Environmental Quality (Scheduled Wastes) Regulations 2007		Turmogrease ALN 1001/0
Control of Industrial Major Accident Hazards Regulations 1996		Turmogrease ALN 1001/0
Prohibition of Use of Substance Order 1999		Turmogrease ALN 1001/0
Use and Standards of Exposure of Chemical Hazardous to Health Regulations 2000		Turmogrease ALN 1001/0
Chemical Weapons Convention Act		Turmogrease ALN 1001/0
Corrosive and Explosive Substances and Offensive Weapons Act		Turmogrease ALN 1001/0
Dangerous Drugs Act		Turmogrease ALN 1001/0
Pesticides Act		Turmogrease ALN 1001/0
Petroleum (Safety Measures) Act		Turmogrease ALN 1001/0
Poisons Act 1952		Turmogrease ALN 1001/0
Poisons (Psychotropic Substances) Regulations 1989		Turmogrease ALN 1001/0

15.2. International agreements

No additional information available

SECTION 16: Other information

Version	1.0
Issue date	16/12/2022
Revision date	16/12/2022

Full text of H-statements	
Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

Full text of H-statements	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage or eye irritation, Category 2
Flam. Liq. Not classified	Flammable liquids Not classified
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
Skin Irrit. 2	Skin corrosion or irritation, Category 2
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

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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 ICOP 2014

Issue date: 28/07/2025

Revision date: 28/7/2025

Supersedes: 16/12/2022

Version: 3.0

SECTION 1: Identification of the hazardous chemical and of the supplier

1.1. Product identifier

Name	Turmogrease ALN 1001/0 (MCCP-free)
Product form	Mixture
Product code	BU ET&A

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use	Lubricants, Greases and Release Products
Restrictions on use	For professional use only

1.4. Supplier details

Supplier

Hilti (Malaysia) Sdn. Bhd.
F-5-A, Sime Darby Brunsfield Tower, No. 2, Jalan PJU 1A/7A
Oasis Square, Oasis Damansara
47301 Petaling Jaya, Selangor
Malaysia
T +60 3 5628 7222
1800 880 985 toll free - F +60 3 7848 7399
myhilti@hilti.com

Department issuing data specification sheet

Hilti AG
Feldkircherstraße 100
9494 Schaan
Liechtenstein
T +423 234 2111
product.compliance-power.tools@hilti.com

1.5. Emergency phone number

Emergency number	GBK GmbH Global Regulatory Compliance +49 (0)6132-84463
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Country	Organisation/Company	Address	Emergency number	Comment
Malaysia	Malaysia National Poison Centre (NPC) Universiti Sains Malaysia	11800 Penang	+60 (0)4 6536 999 (Mon-Fri 8am-10pm; Sat, Sun & Public Holiday 8am-5pm)	

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Not classified

2.2. Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)

No labelling applicable

2.3. Other hazards that do not result in classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

3.2. Mixtures

Name	Product identifier	%	Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	CAS-No.: 4259-15-8	1 - <2.5	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Aquatic Chronic 2, H411

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.
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4.3. Indication of immediate medical attention and special treatment needed, if necessary

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

5.1. Suitable extinguishing media

Suitable extinguishing media	Dry powder. Carbon dioxide. ABC-powder. Foam. Sand.
Unsuitable extinguishing media	Water. Strong water jet. Do not use a heavy water stream.

5.2. Physicochemical hazards arising from the chemical

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

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.
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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.

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".
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Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

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.

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 and personal protection

8.1. Control parameters

No additional information available

Exposure limit values for the other components

No additional information available

8.1.1 Biological monitoring

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls

Ensure good ventilation of the work station.

8.3. Individual protection measures, such as PPE

Materials for protective clothing:

Butyl-rubber protective gloves. Nitrile rubber

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

Skin and body protection:
Wear suitable gloves

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls

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

Consumer exposure controls

Avoid contact during pregnancy/while nursing.

SECTION 9: Physical and chemical properties

Physical state	Solid
Appearance	Pasty.
Colour	Beige
Odour	No data available
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	> 300 °C
Flash point	> 200 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Vapour pressure	Vapour pressure: < 0.1 hPa (50 °C)
Relative vapour density at 20°C	No data available
Relative density	No data available
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Partition coefficient n-octanol/water (Log Kow)	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	> 200 °C
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Density	0.86 g/cm ³

SECTION 10: Stability and reactivity

Reactivity	No additional information available
Chemical stability	Stable under normal conditions
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

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

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 or irritation	Not classified
Serious eye damage or eye irritation	Not classified
Respiratory sensitization	Not classified
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (STOT) – single exposure	Not classified
Specific target organ toxicity (STOT) – repeated exposure	Not classified
Aspiration hazard	Not classified
Other information	No information available.

SECTION 12: Ecological information

12.1. 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)	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.

12.3. Bioaccumulative potential

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

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
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Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

Other adverse effects

No additional information available

SECTION 13: Disposal information

13.1. Disposal methods

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: Transportation 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

14.8. Hazchem or Emergency Action Code

Not applicable

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

SECTION 15: Regulatory information

15.1. Safety, health, and environmental regulations specific for the hazardous chemical in question

Regulation	Component/ Mixture	
EHS Notification and Registration Scheme	Not applicable	
EHS Notification and Registration Scheme	Not applicable	Turmogrease ALN 1001/0
Environmental Quality (Chlorofluorocarbons Prohibition) Order 1993		Turmogrease ALN 1001/0
Environmental Quality (Industrial Effluent) Regulations 2009		Turmogrease ALN 1001/0
Environmental Quality (Scheduled Wastes) Regulations 2007		Turmogrease ALN 1001/0
Control of Industrial Major Accident Hazards Regulations 1996		Turmogrease ALN 1001/0
Prohibition of Use of Substance Order 1999		Turmogrease ALN 1001/0
Use and Standards of Exposure of Chemical Hazardous to Health Regulations 2000		Turmogrease ALN 1001/0
Chemical Weapons Convention Act		Turmogrease ALN 1001/0
Corrosive and Explosive Substances and Offensive Weapons Act		Turmogrease ALN 1001/0
Dangerous Drugs Act		Turmogrease ALN 1001/0
Pesticides Act		Turmogrease ALN 1001/0
Petroleum (Safety Measures) Act		Turmogrease ALN 1001/0
Poisons Act 1952		Turmogrease ALN 1001/0
Poisons (Psychotropic Substances) Regulations 1989		Turmogrease ALN 1001/0

15.2. International agreements

No additional information available

SECTION 16: Other information

Version	3.0
Issue date	28/7/2025
Revision date	28/07/2025
Supersedes	16/12/2022

Indication of changes			
Section	Changed item	Change	Comments
2.1	Classification (GHS MY)	Modified	
2.2	Hazard statements (GHS MY)	Removed	
2.2	Precautionary statements (GHS MY)	Removed	
3.2	Composition/information on ingredients	Modified	

Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

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
 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. Not classified (Dermal)	Acute toxicity (dermal) Not classified
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Flam. Liq. Not classified	Flammable liquids Not classified



Turmogrease ALN 1001/0

Safety Data Sheet

According to ICOP 2014

Full text of H-statements	
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.