

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 Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
 Issue date: 16/12/2022 Revision date: 16/12/2022 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	Mixture
Product name	Turmogrease ALN 1001/0
Product code	ETA Lubricants

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture	For professional use only
Function or use category	Lubricants and additives

1.2.2. Uses advised against

Restrictions on use	For professional use only
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1.3. Details of the supplier of the safety data sheet

Supplier

Hilti (Schweiz) AG
 Soodstrasse 61
 CH- 8134 Adliswil
 Schweiz
 T +41 844 84 84 85 - F +41 844 84 84 86
info@hilti.ch

Department issuing data specification sheet

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

1.4. Emergency telephone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum – 24h Service +41 44 251 51 51 (international)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	-
Contains	Alkanes, C14-17, chloro (MCCP)
Hazard statements (CLP)	H362 - May cause harm to breast-fed children. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	P263 - Avoid contact during pregnancy/while nursing. P273 - Avoid release to the environment.

2.3. Other hazards

Contains PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (80939-62-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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Component	
Alkanes, C14-17, chloro (MCCP) (85535-85-9)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (80939-62-4)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
Alkanes, C14-17, chloro (MCCP)(85535-85-9)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	CAS-No.: 80939-62-4 EC-No.: 279-632-6 REACH-no: 01-2119976322-36	1 – 2.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Alkanes, C14-17, chloro (MCCP) substance listed as REACH Candidate (Medium-chain chlorinated paraffins (MCCP))	CAS-No.: 85535-85-9 EC-No.: 287-477-0 EC Index-No.: 602-095-00-X REACH-no: 01-2119519269-33	0.1 – 1	Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH066

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of 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 and effects, both acute and delayed

Symptoms/effects	No information available.
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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. 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. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.
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5.3. Advice for firefighters

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 material for containment and cleaning up

Methods for cleaning up	Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Absorb the liquid with an inert binder. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
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6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	Avoid contact during pregnancy/while nursing. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Avoid direct sunlight, high temperature, high humidity. Store in a cool place (temperature: -20 °C ~ 40 °C, humidity: 45 - 85%).
Storage area	Protect from humidity and water.
Special rules on packaging	Keep only in original container. Store in a closed container.

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7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

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8.2.2.2. Skin protection

Skin and body protection:

Wear suitable gloves

Other skin protection

Materials for protective clothing:

Butyl-rubber protective gloves. Nitrile rubber

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

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

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Consumer exposure controls:

Avoid contact during pregnancy/while nursing.

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on 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
Explosive limits	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
Viscosity, kinematic	Not available
Solubility	Not available
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	< 0.1 hPa
Vapour pressure at 50°C	Not available
Density	0.85 g/cm ³
Relative density	Not available
Relative vapour density at 20°C	Not available
Particle characteristics	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Strong acids. Strong bases.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Strong oxidizing agents.

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10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Toxic gases.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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/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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2. Other information

Other information	No information available
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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

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

12.3. Bioaccumulative potential

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

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
BCF - Fish [1]	6660 – 9140 l/kg (OECD 305: Bioconcentration: Flow-Through Fish Test, 35 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.7 – 8.3 (Experimental value, Equivalent or similar to OECD 117)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).

12.4. Mobility in soil

Turmogrease ALN 1001/0	
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. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

12.7. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment 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
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Turmogrease ALN 1001/0

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations $\geq 0.1\%$ or SCL: Medium-chain chlorinated paraffins (MCCP) (EC 287-477-0, CAS 85535-85-9)

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

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

Switzerland

Storage class (LK)

LK 10/12 - Liquids

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-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
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Irrit. 2	Serious eye damage/eye 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.
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
Skin Irrit. 2	Skin corrosion/irritation, Category 2



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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Lact.	H362	Calculation method
Aquatic Chronic 3	H412	Calculation method

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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 REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 28.07.2025 Revision date: 28.07.2025 Supersedes version of: 16.12.2022

Version: 3.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	Mixture
Trade name	Turmogrease ALN 1001/0
Product code	BU ET&A

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category	For professional use only
Use of the substance/mixture	Lubricants, greases, release agents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Hilti (Switzerland) Ltd.
Kalchbühlstrasse 22
CH 8038 Zurich
Switzerland
T +41 844 84 84 85, F +41 844 84 84 86
info@hilti.ch

Department issuing data specification sheet

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

1.4. Emergency telephone number

Emergency number	Emergency CONTACT (24-Hour-Number): GBK GmbH Global Regulatory Compliance +49 (0)6132-84463
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements	EUH210 - Safety data sheet available on request.
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2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	PBT: not yet assessed vPvB: not yet assessed

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Turmogrease ALN 1001/0

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Component	
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc.	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	CAS-No.: 4259-15-8 EC-No.: 224-235-5 REACH-no: 01-2119493635-27	1 - <2.5	Aquatic Chronic 2, H411

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	CAS-No.: 4259-15-8 EC-No.: 224-235-5 REACH-no: 01-2119493635-27	(50 < C ≤ 100) Eye Dam. 1; H318

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of 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 and effects, both acute and delayed

Symptoms/effects	No information available.
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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. 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.

Turmogrease ALN 1001/0

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

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.

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 material 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.

6.4. Reference to other sections

No information available. For further information refer to section 13.

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.

7.3. Specific end use(s)

No information available.

Turmogrease ALN 1001/0

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable gloves

Hand protection:

Protective gloves

Other skin protection

Materials for protective clothing:

Butyl-rubber protective gloves. Nitrile rubber

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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.

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Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Consumer exposure controls:

Avoid contact during pregnancy/while nursing.

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Colour	Beige.
Appearance	Pasty.
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	Not applicable
Solubility	Not available
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/cm ³
Relative density	Not available
Relative vapour density at 20°C	Not applicable
Particle size	Not available
Particle size distribution	Not available
Particle shape	Not available
Particle aspect ratio	Not available
Particle specific surface area	Not available
Particle dustiness	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

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.

Turmogrease ALN 1001/0

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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 sensitisation	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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2. Other information

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.

Turmogrease ALN 1001/0

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

Turmogrease ALN 1001/0	
Additional information	No information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment 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.
European List of Waste (LoW, EC 2000/532)	12 01 12* - spent waxes and fats

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			

Turmogrease ALN 1001/0

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3(c)	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Switzerland

Storage class (LK)

LK 11/13 - Solids

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Turmogrease ALN 1001/0

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Hazard statements (CLP)	Removed	
2.2	Precautionary statements (CLP)	Removed	
3.2	Composition/information on ingredients	Modified	

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

Turmogrease ALN 1001/0

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
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- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

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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.