

Hilti Grease

| | |
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| en | This safety data sheet file is issued for the following production lots: 1. Version 1.X / 2.X is valid for Hilti Grease with material number 1035006 (see imprint on packaging) 2. Version 3.0 is valid for Hilti Grease with material number 1038640 (see imprint on packaging) |
| de | Diese Sicherheitsdatenblatt-Datei betrifft die folgenden Fertigungslose: 1. Version 1.X / 2.X ist gültig für Hilti Grease mit der Materialnummer 1035006 (siehe Aufdruck auf Verpackung) 2. Version 3.0 ist gültig für Hilti Grease mit der Materialnummer 1038640 (siehe Aufdruck auf Verpackung) |
| nl | Dit veiligheidsinformatiebladbestand wordt afgegeven voor de volgende productie-lots: 1. Versie 1.X / 2.X is geldig voor Hilti Grease met het materiaalnummer 1035006 (zie opdruk op verpakking) 2. Versie 3.0 is geldig voor Hilti Grease met het materiaalnummer 1038640 (zie opdruk op verpakking) |
| fr | Ce fichier de données de sécurité est délivré pour les lots de production suivants : 1. La version 1.X / 2.X est valide pour Hilti Grease avec le numéro de matériau 1035006 (voir l'impression sur l'emballage) 2. La version 3.0 est valide pour Hilti Grease avec le numéro de matériau 1038640 (voir l'impression sur l'emballage) |
| da | Denne sikkerhedsdatabladfil er udgivet for følgende produktions lots: 1. Version 1.X / 2.X er gældende for Hilti Grease med materialenummeret 1035006 (se aftryk på emballagen) 2. Version 3.0 er gældende for Hilti Grease med materialenummeret 1038640 (se aftryk på emballagen) |
| sv | Denna säkerhetsdatabladfil har utfärdats för följande tillverkningspartier: 1. Version 1.X / 2.X är giltig för Hilti Grease med materialnummer 1035006 (se avtryck på förpackningen) 2. Version 3.0 är giltig för Hilti Grease med materialnummer 1038640 (se avtryck på förpackningen) |
| fi | Tämä käyttöturvallisuustiedote koskee seuraavia tuotantoeriä: 1. Versio 1.X / 2.X on voimassa Hilti Grease -rasvalle, jonka materiaalinumero on 1035006 (ks. painatus pakkauksessa) 2. Versio 3.0 on voimassa Hilti Grease -rasvalle, jonka materiaalinumero on 1038640 ks. painatus pakkauksessa) |
| hu | Ezt a biztonsági adatlapot a következő gyártási tételekhez bocsátják ki: 1. Az 1.X / 2.X verzió a Hilti Grease 1035006 anyagszámú zsiradékra érvényes (lásd a csomagoláson lévő lenyomatot) 2. A 3.X verzió a Hilti Grease 1038640 anyagszámú zsiradékra érvényes (lásd a csomagoláson lévő lenyomatot) |
| es | Este archivo de ficha de datos de seguridad se emite para los siguientes lotes de producción: 1. La versión 1.X / 2.X válida para Hilti Grease con el número de material 1035006 (véase el texto impreso en el embalaje) 2. La versión 3.0 válida para Hilti Grease con el número de material 1038640 (véase el texto impreso en el embalaje) |
| pt | Este ficheiro com ficha de dados de segurança é emitido para os seguintes lotes de produção: 1. A versão 1.X / 2.X é válida para a Hilti Grease com o número de material 1035006 (ver impressão na embalagem) 2. A versão 3.0 é válida para a Hilti Grease com o número de material 1038640 (ver impressão na embalagem) |
| it | Questo file della scheda di dati di sicurezza è rilasciato per i seguenti lotti di produzione: 1. La versione 1.X / 2.X è valida per Hilti Grease con il numero di materiale 1035006 (vedere l'impronta sulla confezione) 2. La versione 3.0 è valida per Hilti Grease con il numero di materiale 1038640 (vedere l'impronta sulla confezione) |
| pl | Ten plik arkusza danych bezpieczeństwa jest wydany dla następujących części produkcyjnych: 1. Wersja 1.X / 2.X dotyczy Hilti Grease o numerze materiału 1035006 (patrz nadruk na opakowaniu) 2. Wersja 3.0 dotyczy Hilti Grease o numerze materiału 1038640 (patrz nadruk na opakowaniu) |
| ru | Этот файл сертификата безопасности предоставлен для следующих партий продукции: 1. Версия 1.X / 2.X действительна для Hilti Grease с номером материала 1035006 (см. оттиск на упаковке) 2. Версия 3.0 действительна для Hilti Grease с номером материала 1038640 (см. оттиск на упаковке) |
| el | Το παρόν δελτίο δεδομένων ασφαλείας εκδίδεται για τις ακόλουθες παρτίδες παραγωγής: 1. Η έκδοση 1.X / 2.X ισχύει για το Hilti Grease με αριθμό υλικού 1035006 (βλ. αποτύπωμα στη συσκευασία) 2. Η έκδοση 3.0 ισχύει για το Hilti Grease με αριθμό υλικού 1038640 (βλ. αποτύπωμα στη συσκευασία) |
| cs | Tento soubor s bezpečnostním listem je vystaven pro následující výrobní šarže 1. Verze 1.X / 2.X platí pro Hilti Grease s číslem materiálu 1035006 (viz potisk na obalu) 2. Verze 3.0 platí pro Hilti Grease s číslem materiálu 1038640 (viz potisk na obalu) |
| bg | Този файл с информационен лист за безопасност се издава за следните производствени партии: 1. Версия 1.X / 2.X е валидна за Hilti Grease с номер на материала 1035006 (виж отпечатъка върху опаковката) 2. Версия 3.0 е валидна за Hilti Grease с номер на материала 1038640 (виж отпечатъка върху опаковката) |
| lv | Šo drošības datu lapa ir izsniegta šādām ražojumu partijām: 1. Versija 1.X / 2.X ir derīga Hilti Grease ar materiāla numuru 1035006 (skatīt nospiedumu uz iepakojuma) 2. Versija 3.0 ir derīga Hilti Grease ar materiāla numuru 1038640 (skatīt nospiedumu uz iepakojuma) |
| lt | Šis saugos duomenų lapo failas išduodamas šioms gamybos partijoms: 1. Versija 1.X / 2.X galioja Hilti Grease su medžiagos numeriu 1035006 (žr. įspaudą ant pakuotės) 2. Versija 3.0 versija galioja Hilti Grease su medžiagos numeriu 1038640 (žr. įspaudą ant pakuotės) |
| sk | Táto karta bezpečnostných údajov sa vydáva pre tieto výrobné dávky: 1. Verzia 1.X / 2.X platí pre Hilti Grease s číslom materiálu 1035006 (pozri potlač na obale) 2. Verzia 3.0 platí pre Hilti Grease s číslom materiálu 1038640 (pozri potlač na obale) |
| sl | Datoteka z varnostnim listom je izdana za naslednje proizvodne serije: 1. Različica 1.X / 2.X velja za Hilti Grease s številko materiala 1035006 (glej odtis na embalaži) 2. Različica 3.0 velja za Hilti Grease s številko materiala 1038640 (glej odtis na embalaži) |
| et | See ohutuskaardi fail on välja antud järgmistele tootepartidele: 1. Versioon 1.X / 2.X kehtib Hilti Grease jaoks, mille materjalinumbr on 1035006 (vt trükki pakendil) 2. Versioon 3.0 kehtib Hilti Grease jaoks, mille materjalinumbr on 1038640 (vt trükki pakendil) |

Hilti Grease

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| ro | Această fișă cu date de securitate este emisă pentru următoarele loturi de producție: 1. Versiunea 1.X / 2.X este valabilă pentru Hilti Grease cu numărul de material 1035006 (a se vedea amprenta de pe ambalaj) 2. Versiunea 3.0 este valabilă pentru Hilti Grease cu numărul de material 1038640 (a se vedea amprenta de pe ambalaj) |
| hr | Ovaj sigurnosno-tehnički list izdaje se za sljedeće proizvodne serije: 1. Verzija 1.X / 2.X vrijedi za Hilti Grease s brojem materijala 1035006 (vidi otisak na pakiranju) 2. Verzija 3.0 vrijedi za Hilti Grease s brojem materijala 1038640 (vidi otisak na pakiranju) |
| tr | Bu güvenlik bilgi formu dosyası aşağıdaki üretim lotları için düzenlenmiştir: 1. Sürüm 1.X / 2.X, 1035006 malzeme numaralı Hilti Grease için geçerlidir (ambalaj üzerindeki baskıya bakınız) 2. Sürüm 3.0, 1038640 malzeme numaralı Hilti Grease için geçerlidir (ambalaj üzerindeki baskıya bakınız) |
| uk | Цей файл паспорта безпеки видається для наступних партій продукції: 1. Версія 1.X / 2.X дійсна для Hilti Grease з номером матеріалу 1035006 (див. відбиток на упаковці) 2. Версія 3.0 дійсна для Hilti Grease з номером матеріалу 1038640 (див. відбиток на упаковці) |
| 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.X 对 Hilti Grease 有效，材料编号为 1035006（见包装上的印记） 2. 版本 3.0 对 Hilti Grease 有效，材料编号为 1038640（见包装上的印记） |
| ar | يتم إصدار ملف صحيفة بيانات السلامة لتشغيلات الإنتاج التالية: 1. الإصدار 1.X / 2.X صالح لـ Hilti Grease مع رقم المادة 1035006 (انظر البصمة على العبوة) 2. الإصدار 3.0 صالح لـ Hilti Grease مع رقم المادة 1038640 (انظر البصمة على العبوة) |
| 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.X は、材料番号 1035006 の Hilti Grease に対して有効です（パッケージの刻印を参照） 2. バージョン 3.0 は、材料番号1038640 の Hilti Grease に対して有効です（パッケージの刻印を参照） |
| sr | Datoteka bezbednosnog lista se izdaje za sledeće proizvodne serije: 1. Verzija 1.X / 2.X važi za Hilti Grease sa brojem materijala 1035006 (pogledajte otisak na pakovanju) 2. Verzija 3.0 važi za Hilti Grease sa brojem materijala 1038640 (pogledajte otisak na pakovanju) |
| ms | Fail helaian data keselamatan ini dikeluarkan untuk lot pengeluaran yang berikut: 1. Versi 1.X / 2.X sah untuk Hilti Grease dengan nombor bahan 1035006 (lihat cetakan pada pembungkusan) 2. Versi 3.0 sah untuk Hilti Grease dengan nombor bahan 1038640 (lihat cetakan pada pembungkusan) |
| ko | 본 안전보건자료는 다음 제품 로트에 대해 발급되었습니다. 1. 버전 1.X / 2.X 는재료 번호1035006 의 Hilti Grease에 유효합니다 (포장의 각인 참조) 2. 버전 3.0 는재료 번호1038640 의 Hilti Grease에 대해 유효합니다 (포장의 각인 참조) |
| id | File lembar data keselamatan ini diterbitkan untuk lot produksi berikut: 1. Versi 1.X / 2.X berlaku untuk Hilti Grease dengan nomor material 1035006 (lihat cetakan pada kemasan) 2. Versi 3.0 berlaku untuk Hilti Grease dengan nomor material 1038640 (lihat cetakan pada kemasan) |
| he | קובץ גיליון נתוני בטיחות זה מונפק עבור מגרשי הייצור הבאים: 1. גרסה 1.X תקפה ל-Hilti Grease עם מספר חומר 1035006 (ראה טביעה על האריזה) 2. גרסה 2.0 תקפה ל-Hilti Grease עם מספר חומר 1038640 (ראה טביעה על האריזה) |
| th | แผนข้อมูลด้านความปลอดภัยนี้จัดทำสำหรับล็อตการผลิตดังต่อไปนี้: 1. เวอร์ชัน 1.X / 2.X ใช้ได้กับ Hilti Grease ที่มีหมายเลขวัสดุ 1035006 (ดูข้อมูลบนบรรจุภัณฑ์) 2. เวอร์ชัน 3.0 ใช้ได้กับ Hilti Grease ที่มีหมายเลขวัสดุ 1038640 (ดูข้อมูลบนบรรจุภัณฑ์) |
| vi | Tệp bảng dữ liệu an toàn này được phát hành cho các lô sản xuất sau: 1. Phiên bản 1.X / 2.X hợp lệ cho Hilti Grease với số vật liệu 1035006 (xem dấu in trên bao bì) 2. Phiên bản 3.0 hợp lệ cho Hilti Grease với số vật liệu 1038640 (xem dấu in trên bao bì) |
| zh tw | 本安全資料表文件針對下列生產批次發行： 1. 版本 1.X / 2.X 適用於喜利得 Hilti Grease，材料編號 1035006（請參閱包裝上的印記） 2. 版本 3.0 適用於喜利得 Hilti Grease，材料編號 1038640（請參閱包裝上的印記） |
| kk | Бұл қауіпсіздік паспорты мына өндірістік партиялар үшін шығарылады: 1. 1.X / 2.X нұсқасы 1035006 материал нөмірі бар Hilti Grease шін жарамды (қаптамадағы ізді қараңыз) 2. 3.0 нұсқасы 1038640 материал нөмірі бар Hilti Grease шін жарамды (қаптамадағы ізді қараңыз) |



Hilti Grease

依据标准 : GB/T 16483, GB/T 17519-2013

Version:1.0

Revision date:2019/07/08

Date of issue:2019/07/08

Supersedes:

SECTION 1 Chemical product and company identification

Product identifier

Product form Mixture
Trade name Hilti Grease
Product code BU ET&A
Chemical name

Details of the supplier of the safety data sheet

| Supplier | Department issuing data specification sheet |
|--|---|
| Hilti (China) Ltd. 8F, Tower 2, No.58 Yao Yuan Rd. Pudong District 200126 Shanghai - China T +86 21 6016 7316 cncs@hilti.com | Hilti Entwicklungsgesellschaft mbH Hiltistraße 6 86916 Kaufering - Deutschland T +49 8191 906876 anchor.hse@hilti.com |

Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum -
24h Service
+41 44 251 51 51 (international)
+86 21 6016 7320
800-820-2585 (Toll Free)

| Country | Organisation/Company | Address | Emergency number |
|---------|---|---------|------------------|
| China | 中国境内化学事故应急咨询电话 / chemical accident emergency consultation service hotline (24/7) | | 400-6267-911 |

SECTION 2: Hazards identification

Emergency overview

Pasty, black. Direct sunlight. Extremely high or low temperatures. fume. Carbon monoxide. Carbon dioxide. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Use personal protective equipment as required. Equip cleanup crew with proper protection. Ventilate area

GHS classification

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

GHS CN labelling

Precautionary statements
(GHS CN)

Additional information

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

SECTION 3: Composition/information on ingredients

Product form

Mixture

| Name | CAS-No. | Concentration (%) |
|---|-----------|-------------------|
| molybdenum(IV) sulfide | 1317-33-5 | 2.5 - 5 |
| Zinc bis[0,0-bis(2-ethylhexyl)]bis(dithiophosphate) | 4259-15-8 | 1 - 2.5 |

SECTION 4: First aid measures

Emergency

| | |
|---------------------------------------|--|
| First-aid measures general | Never give anything by mouth to an unconscious person. |
| First-aid measures after inhalation | Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | Gently wash with plenty of soap and water. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist if necessary. |
| First-aid measures after ingestion | Never attempt to induce vomiting : risk of inhalation. Get immediate medical advice/attention. |

Most Important Symptoms/Effects

Symptoms/effects No information available.

Personal Protection in First Aid and Measures

Notes for the doctor

| | |
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| Other medical advice or treatment | Treat symptomatically. Symptoms may be delayed |
|-----------------------------------|---|

SECTION 5 Fire fighting measures

Extinguishing media

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| Suitable extinguishing media | Carbon dioxide. Dry powder. Foam. Water spray. |
| Unsuitable extinguishing media | Do not use a heavy water stream. |

Special hazard

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| Hazardous decomposition products in case of fire | Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases |
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according to the United Nations GHS (Rev. 4, 2011)

Advice for firefighters and protective measures

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|--------------------------------|--|
| Firefighting instructions | Use water spray or fog for cooling exposed containers Exercise caution when fighting any chemical fire Prevent fire fighting water from entering the environment |
| Protection during firefighting | Use self-contained breathing apparatus and chemically protective clothing |

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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| General measures | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes Evacuate area. |
|------------------|--|

For non-emergency personnel

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| Protective equipment | Wear recommended personal protective equipment. |
| Emergency procedures | Ventilate spillage area. |
| Measures in case of dust release | Wear suitable respiratory protection. |

For emergency responders

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| Protective equipment | Use personal protective equipment as required. Equip cleanup crew with proper protection. |
| Emergency procedures | Ventilate area. Stop leak if safe to do so. |

Environmental precautions

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| Environmental precautions | Prevent entry to sewers and public waters Notify authorities if liquid enters sewers or public waters |
|---------------------------|--|

Methods and Equipment for Containment and Cleaning up

Prevention Measures for Secondary Accidents

| | |
|-------------------|--|
| Other information | Dispose of materials or solid residues at an authorized site |
|-------------------|--|

SECTION 7 Handling and storage

Handling

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|-------------------------------|----------------------------------|
| Precautions for safe handling | Avoid contact with skin and eyes |
|-------------------------------|----------------------------------|



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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.

Storage

Storage conditions Store in original container
Technical measures Store tightly closed in a dry and cool place
Does not require any specific or particular technical measures
Incompatible materials Strong oxidizing agents. Pyrophoric or self-heating substances.
Storage temperature 5 - 25 ° C

SECTION 8: Exposure controls / Personal protection equipment

Occupational Exposure Limits

Additional information The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

Biological limit values

No additional information available

Monitoring methods

Personal protective equipment

Personal protective equipment Handling and storage of this material do not require special precaution
Consumer exposure controls Avoid contact during pregnancy/while nursing.
Other information Do not eat, drink or smoke during use

Skin and body protection Wear suitable protective clothing

SECTION 9 Physical and chemical properties

Physical state Solid
Appearance Pasty
Colour Black
Odour No data available
Odour threshold (ppm) No data available
Odour threshold (mg/m³) No data available



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| | |
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| pH | No data available |
| pH solution | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Relative evaporation rate (ether=1) | No data available |
| Evaporation rate | No data available |
| Other properties | No data available |
| Melting point | No data available |
| Freezing point | No data available |
| Boiling point | > ° C |
| Flash point | > 210 ° C ISO 3679 |
| Auto-ignition temperature | > 300 |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | No data available |
| Critical temperature | No data available |
| Vapour pressure | < 0.1 mbar |
| Vapour pressure at 50 ° C | No data available |
| Critical pressure | No data available |
| Relative vapour density at 20 ° C | No data available |
| Relative density | No data available |
| Relative density of saturated gas/air mixture | No data available |
| Density | 1.06 g/cm ³ DIN 51757 |
| Relative gas density | No data available |
| Solubility | insoluble in water. |
| Solubility in water | No data available |
| Solubility in ethanol | No data available |
| Solubility in ether | No data available |
| Solubility in acetone | No data available |
| Solubility in organic solvents | No data available |
| Log Pow | No data available |
| Log Kow | No data available |
| Explosive limits (g/m ³) | No data available |
| Explosive limits (vol %) | No data available |
| Lower explosive limit (LEL) | No data available |
| Upper explosive limit (UEL) | No data available |
| Radioactive | No |
| VOC content | 0 mg/l |

SECTION 10: Stability and reactivity

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| Reactivity | The product is non-reactive under normal conditions of use, storage and transport |
| Chemical stability | Stable under normal conditions |

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| | |
|------------------------------------|--|
| Possibility of hazardous reactions | No additional information available |
| Conditions to avoid | Direct sunlight. Extremely high or low temperatures |
| Incompatible materials | Oxidizing agent Pyrophoric or self-heating substances |
| Hazardous decomposition products | fume Carbon monoxide Carbon dioxide Under normal conditions of storage and use, hazardous decomposition products should not be produced |

SECTION 11: Toxicological information

Acute toxicity

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

| | |
|--|--------------------------|
| molybdenum(IV) sulfide | |
| LD50 oral rat | > 6000 mg/kg (Rat, Oral) |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | < mg/l/4h |
| ATE CN (dust, mist) | 1.5 mg/l/4h |
| Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) | |
| LD50 oral rat | 3100 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| ATE CN (oral) | 3100 mg/kg bodyweight |

Skin corrosion/irritation

| | |
|---------------------------|-------------------|
| Skin corrosion/irritation | No data available |
| pH | |

Serious eye damage/irritation

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

| | |
|-----------------------------------|-------------------|
| Respiratory or skin sensitisation | No data available |
|-----------------------------------|-------------------|

Germ cell mutagenicity

| | |
|------------------------|-------------------|
| Germ cell mutagenicity | No data available |
|------------------------|-------------------|

Carcinogenicity

| | |
|-----------------|-------------------|
| Carcinogenicity | No data available |
|-----------------|-------------------|



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Reproductive toxicity

Reproductive toxicity No data available

STOT-single exposure

STOT-single exposure No data available

STOT-repeated exposure

STOT-repeated exposure No data available

Aspiration hazard

Aspiration hazard No data available

| Hilti Grease | |
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| Human evidence for classification | No |
| Not able to form a pool | No |
| Hydrocarbon | No |
| Aliphatic, alicyclic or aromatic hydrocarbon | No |
| Polycyclic-aromatic hydrocarbons | No |
| Density | 1.06 g/cm ³ DIN 51757 |

SECTION 12: Ecological information

Toxicity

Acute aquatic toxicity No data available

Chronic aquatic toxicity No data available

Persistence and degradability

| molybdenum(IV) sulfide | |
|-------------------------------|----------------------------------|
| Not rapidly degradable | No |
| Persistence and degradability | Biodegradability: not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

| Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) | |
|--|----|
| Not rapidly degradable | No |



Hilti Grease

Safety Data Sheet

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

Bioaccumulative potential

| molybdenium(IV) sulfide | |
|---------------------------|-----------------------------------|
| Bioaccumulative potential | No bioaccumulation data available |

Mobility in soil

| molybdenium(IV) sulfide | |
|-------------------------|-----------------------------------|
| Ecology - soil | No bioaccumulation data available |

Other adverse effects

Classification procedure (Ozone) No data available

Results of PBT and vPvB assessment

SECTION 13: Disposal considerations

| | |
|--|---|
| Waste treatment methods | Dispose in a safe manner in accordance with local/national regulations. |
| Additional information | When totally empty, containers are recyclable like any other packing. |
| Product/Packaging disposal recommendations | Dispose of contents/container to Avoid release to the environment, Refer to manufacturer/supplier for information on recovery/recycling |
| Ecology - waste materials | Avoid release to the environment. |

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | RID |
|---|---------------|---------------|---------------|
| 14.1. UN 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 | | | |



Hilti Grease

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

Special precautions for user

- **Overland transport**

- **Transport by sea**

No data available

- **Air transport**

No data available

- **Rail transport**

Carriage prohibited (RID) No

Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

| | |
|--|---|
| Regulation on the Safety Management of Hazardous Chemicals | Catalogue of Hazardous Chemicals (2015) 311, <Missing translation> |
| Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used | List of Highly Toxic Chemicals (2002) |
| Dangerous Goods List (GB 12268-2012) | Not listed |
| Rules for dangerous goods transport by railway | Not listed |
| Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals | Not listed |
| Regulation of the People's Republic of China on the Administration of the Import and Export of Goods | Not listed |
| Regulation on the Control of Precursor Chemicals | Not listed |
| Measures for the Administration of Pharmaceutical Precursor Chemicals | Not listed |
| Regulations on the Control of Agricultural Chemicals; Notice of Pesticide Transport | Not listed |
| Regulation on the Management of Controlled Chemicals | Not listed |



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

SECTION 16 Other information

Compiled according to GB/T 16483, GB/T 17519

SDS_CN_Hilti

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.



Hilti Grease

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

Version:3.0

Revision date: 2025/01/28

Issue date: 2025/01/28

Supersedes: 2019/07/08

SECTION 1 Chemical product and company identification

Product identifier

| | |
|---------------------------------|--|
| Product form | Mixture |
| Trade name | Hilti Grease |
| Product code | BU ET&A |
| Chemical Chinese name | |
| Chemical English name | |
| Recommended use of the chemical | Special lubricant for insert tool connection end |
| Restricted use of the chemical | For professional use only |

Details of the supplier of the safety data sheet

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

Emergency telephone number

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

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

SECTION 2 Hazards identification

Emergency overview



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Compiled according to GB/T 16483, GB/T 17519

Pasty. Black. Direct sunlight. Extremely high or low temperatures. fume. Carbon monoxide. Carbon dioxide. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Use personal protective equipment as required. Equip cleanup crew with proper protection. Ventilate area

GHS hazard classification

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

Label elements

No data available

Physical and chemical hazards

No additional information available

Health hazards

| | |
|-------------------------------------|--|
| Symptoms/effects after eye contact | None under normal conditions, Dust from this product may cause eye irritation |
| Symptoms/effects after ingestion | None under normal conditions, Ingestion may cause nausea, vomiting and diarrhea |
| Symptoms/effects after inhalation | Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure, Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard |
| Symptoms/effects after skin contact | Repeated dermal contact with material can lead to defatting of the skin, May cause skin dryness or cracking, High pressure injection of product under the skin can have very serious consequences even without apparent symptoms or injuries |

Environmental hazards

No additional information available

Other hazards

No additional information available

SECTION 3 Composition/information on ingredients

Product form Mixture.

| Ingredient(s) | Concentration or concentration ranges (w/w %) | CAS No. |
|---|---|------------|
| molybdenum(IV) sulfide | 2.5 - 5 | 1317-33-5 |
| Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts | 0.1 - 2.5 | 26264-06-2 |

Hilti Grease

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

SECTION 4 First-aid measures

Description of necessary first-aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | Take off immediately all contaminated clothing. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible) |
| First-aid measures after inhalation | Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest |
| First-aid measures after skin contact | Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists |
| First-aid measures after ingestion | Rinse mouth. Get medical advice/attention. Do not induce vomiting. Obtain emergency medical attention |

Most important symptoms/effects

| | |
|-------------------------------------|--|
| Symptoms/effects after eye contact | None under normal conditions Dust from this product may cause eye irritation |
| Symptoms/effects after ingestion | None under normal conditions Ingestion may cause nausea, vomiting and diarrhea |
| Symptoms/effects after inhalation | Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard |
| Symptoms/effects after skin contact | Repeated dermal contact with material can lead to defatting of the skin May cause skin dryness or cracking High pressure injection of product under the skin can have very serious consequences even without apparent symptoms or injuries |

Advices for first aid responders

No additional information available

Notes for the doctor

| | |
|-----------------------------------|---|
| Other medical advice or treatment | Treat symptomatically. Symptoms may be delayed |
|-----------------------------------|---|

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Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

SECTION 5 Fire-fighting measures

Extinguishing media

| | |
|--------------------------------|---|
| Suitable extinguishing media | Water spray dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂) |
| Unsuitable extinguishing media | Do not use a heavy water stream |

Specific hazards

| | |
|--|--|
| Hazardous decomposition products in case of fire | Carbon oxides (CO, CO ₂) Metallic oxides Phosphorus oxides Sulphur oxides |
| Explosion hazard | No direct explosion hazard |

Advice for firefighters and protective measures

| | |
|--------------------------------|--|
| Firefighting instructions | Exercise caution when fighting any chemical fire Prevent fire fighting water from entering the environment |
| Protection during firefighting | Do not enter fire area without proper protective equipment, including respiratory protection Self-contained breathing apparatus Complete protective clothing |

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

For non-emergency personnel

| | |
|----------------------|----------------|
| Emergency procedures | Evacuate area. |
|----------------------|----------------|

For emergency responders

| | |
|----------------------|---|
| Protective equipment | Use personal protective equipment as required. Equip cleanup crew with proper protection |
| Emergency procedures | Ventilate area Stop leak if safe to do so. |

Environmental precautions

| | |
|---|--|
| Prevent entry to sewers and public waters | |
| Notify authorities if liquid enters sewers or public waters | |

Methods and material for containment and cleaning up

| | |
|----------------------|--|
| Methods for cleaning | No additional information available |
| For containment | Keep in suitable, closed containers for disposal |

Hilti Grease

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

Prevention measures for secondary accidents

| | |
|---|--|
| Prevention Measures for Secondary Accidents | No additional information available |
| Other information | Dispose of materials or solid residues at an authorized site |

SECTION 7 Handling and storage

Handling

| | |
|-----------------------------------|---|
| Precautions for safe handling | Ensure good ventilation of the work station Wear personal protective equipment |
| Hygiene measures | Do not eat, drink or smoke when using this product. Always wash hands after handling the product |
| Local and general ventilation | No additional information available |
| Additional hazards when processed | Not expected to present a significant hazard under anticipated conditions of normal use |

Storage

| | |
|---------------------------------------|---|
| Storage conditions | Store in original container Keep container tightly closed. Store in a dry place. Keep away from ignition sources |
| Technical measures | Keep in a cool, well-ventilated place away from heat Comply with applicable regulations |
| Material used in packaging/containers | No additional information available |
| Incompatible materials | Oxidizing materials. |
| Storage temperature | 5 - 25 ° C |
| Packaging materials | Store always product in container of same material as original container |

SECTION 8 Exposure controls / Personal protection equipment

Occupational exposure limits

No additional information available

Biological limit values

No additional information available

Monitoring methods

No additional information available

Appropriate engineering controls

Ensure good ventilation of the work station

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Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

Personal protective equipment

| | |
|---------------------------------|---|
| Personal protective equipment | Handling and storage of this material do not require special precaution Avoid all unnecessary exposure |
| Environmental exposure controls | Avoid release to the environment. |
| Consumer exposure controls | Avoid contact during pregnancy/while nursing. |
| Other information | Do not eat, drink or smoke during use |
| Hand protection | Protective gloves |
| Eye protection | Safety glasses |
| Skin and body protection | Not required |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment |

SECTION 9 Physical and chemical properties

| | |
|---|-----------------------------------|
| Physical state | Solid |
| Appearance | Pasty |
| Colour | dark grey |
| Odour | No data available |
| pH | No data available |
| Melting point | No data available |
| Freezing point | Not applicable |
| Boiling point | Not applicable |
| Flash point | Not applicable |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | No data available |
| Vapour pressure | No data available |
| Relative vapour density at 20° C | No data available |
| Density | 1 g/cm ³ (25° C) |
| Solubility | insoluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Viscosity, kinematic | > 20.5 mm ² /s (40° C) |
| Explosive limits (vol %) | Not applicable |
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Radioactive | No |

SECTION 10 Stability and reactivity

| | |
|------------------------------------|---|
| Chemical stability | The product is stable at normal handling and storage conditions |
| Reactivity | The product is non-reactive under normal conditions of use, storage and transport |
| Possibility of hazardous reactions | No dangerous reactions known under normal conditions of use |

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Compiled according to GB/T 16483, GB/T 17519

| | |
|---|---|
| Conditions to avoid | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Incompatible materials | Oxidizing materials |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced |
| Other properties | No additional information available |

SECTION 11 Toxicological information

Acute toxicity

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

molybdenum(IV) sulfide (1317-33-5)

| | |
|---------------|--------------------------|
| LD50 oral rat | > 6000 mg/kg (Rat, Oral) |
| LD50 oral | 6000 mg/kg |
| LD50 dermal | 2500 mg/kg |

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts (26264-06-2)

| | |
|-----------------|---|
| LD50 oral rat | 4445 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:, 95% CL: 3913 - 5051 |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

Skin corrosion/irritation

| | |
|---------------------------|---|
| Skin corrosion/irritation | Not classified (On basis of test data). |
|---------------------------|---|

Serious eye damage/eye irritation

| | |
|-------------------------------|---|
| Serious eye damage/irritation | Not classified (On basis of test data). |
|-------------------------------|---|

Respiratory or skin sensitisation

| | |
|-----------------------------------|-------------------|
| Respiratory or skin sensitisation | No data available |
|-----------------------------------|-------------------|

Germ cell mutagenicity

| | |
|------------------------|-------------------|
| Germ cell mutagenicity | No data available |
|------------------------|-------------------|

Carcinogenicity

| | |
|-----------------|-------------------|
| Carcinogenicity | No data available |
|-----------------|-------------------|

Reproductive toxicity

| | |
|-----------------------|-------------------|
| Reproductive toxicity | No data available |
|-----------------------|-------------------|

STOT - single exposure

| | |
|----------------------|-------------------|
| STOT-single exposure | No data available |
|----------------------|-------------------|

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Compiled according to GB/T 16483, GB/T 17519

STOT - repeated exposure

STOT-repeated exposure No data available

Aspiration hazard

Aspiration hazard No data available

Hilti Grease

Viscosity, kinematic > 20.5 mm²/s (40° C)

Density 1 g/cm³ (25° C)

SECTION 12 Ecological information

Ecotoxicity

Ecology - general The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) No data available

Hazardous to the aquatic environment, long-term (chronic) No data available

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts (26264-06-2)

| | |
|----------------------|---|
| LC50 - Fish [1] | 1.67 mg/l Test organisms (species): Lepomis macrochirus |
| EC50 - Crustacea [1] | 2.9 mg/l Test organisms (species): Daphnia magna |
| EC50 96h - Algae [1] | 29 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| NOEC chronic fish | 0.23 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '72 d' |

Persistence and degradability

molybdenum(IV) sulfide (1317-33-5)

| | |
|-------------------------------|----------------------------------|
| Persistence and degradability | Biodegradability: not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

Bioaccumulative potential

molybdenum(IV) sulfide (1317-33-5)

| | |
|---------------------------|-----------------------------------|
| Bioaccumulative potential | No bioaccumulation data available |
|---------------------------|-----------------------------------|

Mobility in soil

molybdenum(IV) sulfide (1317-33-5)

| | |
|---------------------------|-----------------------------------|
| Bioaccumulative potential | No bioaccumulation data available |
| Ecology - soil | Adsorbs into the soil. |

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Compiled according to GB/T 16483, GB/T 17519

Other adverse effects

Classification procedure (Ozone) No data available

Results of PBT and vPvB assessment

PBT This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
 vPvB This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 13 Disposal considerations

Waste treatment methods Dispose in a safe manner in accordance with local/national regulations, Dispose of contents/container in accordance with licensed collector's sorting instructions.

Contaminated container and packaging No additional information available

Additional information Do not re-use empty containers.

Product/Packaging disposal recommendations Comply with applicable regulations for solid waste disposal
 Disposal must be done according to official regulations

Ecological information Avoid release to the environment.

Sewage disposal recommendations Disposal must be done according to official regulations

Regional waste regulation Disposal must be done according to official regulations

SECTION 14 Transport information

In accordance with ADR / IMDG / IATA / RID

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

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14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15 Regulatory information

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

Inventory of Existing Chemical Substances in China (IECSC) Listed

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

Catalogue of Hazardous Chemicals (2015) Not listed

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

Catalogue of Severely Restricted Toxic Chemicals Not listed

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

Catalogue for Classification of Hazardous Factors of Occupational Diseases Not listed

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

Catalogue of Precursor Chemicals

Regulations on Administration of Ozone Depleting Substances (Decree 573 of the State Council)

List of Ozone-Depleting Substances under Control in China Not listed

Other domestic regulatory lists

Dangerous Goods List (GB 12268-2012) Not listed

List of Goods Prohibited from Export or Import Not listed

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Inventory of Hazardous Chemicals under Key Supervision Not listed

SECTION 16 Other information

| Abbreviations and acronyms | |
|----------------------------|---|
| 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) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| 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 |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N. O. S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |



Hilti Grease

Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

| Section | Changed item | Change | Comments |
|---------|--|-----------|----------|
| 1. | Department issuing data specification sheet. | Modified. | |
| 1. | Emergency number. | Modified. | |
| 3. | Composition/information on ingredients. | Modified. | |

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