

# Hilti Grease

## Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR)

Issue date: 11/03/2025

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Version: 4.0

### SECTION 1: Identification

#### 1.1. Product identifier

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

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use	Special lubricant for insert tool connection end
Restrictions on use	For professional use only

#### 1.4. Supplier's details

##### Supplier

Hilti (Canada) Corp.  
2201 Bristol Circle  
Suite 700  
CA L6H 0J8 Oakville, Ontario  
Canada  
T +1905 8139200  
1-800-363-4458 toll free, F +1 905 813 9009  
[ca-sales@hilti.com](mailto:ca-sales@hilti.com)

##### Department issuing data specification sheet

Hilti AG  
Feldkircher Strasse 100  
FL 9494 Schaan  
Liechtenstein  
T +423 234 2111  
[product.compliance-power.tools@hilti.com](mailto:product.compliance-power.tools@hilti.com)

#### 1.5. Emergency telephone number

Emergency number	Emergency CONTACT (24-Hour-Number) GBK/Infotrac ID 101022 (USA domestic) 1 800 535 5053 or international (001) 352 323 3500
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### SECTION 2: Hazard identification

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

##### Classification (GHS CA)

Not classified

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

##### GHS CA labelling

No labelling applicable

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
molybdenum(IV) sulfide	molybdenite / molybdenum disulfide / molybdenum sulfide	CAS-No.: 1317-33-5	2.5 – 5	Not classified
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts	-	CAS-No.: 26264-06-2	0.1 – 1.5	Skin Irrit. 2, H315 Eye Dam. 1, H318
diethyleneglycolmonoethyl ether	2-(2-ethoxyethoxy)ethanol / 2-(beta-ethoxyethoxy)ethanol / 2-ethoxyethoxyethanol	CAS-No.: 111-90-0	0.1 – 1.5	Not classified

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

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.
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).

### 4.2. Most important symptoms and effects (acute and delayed)

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.
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.

### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	Treat symptomatically. Symptoms may be delayed.
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## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media	Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ).
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Unsuitable extinguishing media

Do not use a heavy water stream.

### 5.2. Specific hazards arising from the hazardous product

Explosion hazard

No direct explosion hazard.

Hazardous decomposition products in case of fire

Carbon oxides (CO, CO<sub>2</sub>). Metallic oxides. Phosphorus oxides. Sulphur oxides.

### 5.3. Special protective equipment and precautions for fire-fighters

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

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures

Spilled material may present a slipping hazard.

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

For containment

Keep in suitable, closed containers for disposal.

Methods for cleaning up

Mechanically recover the product. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

Other information

Dispose of materials or solid residues at an authorized site.

For further information refer to section 8: "Exposure controls/personal protection", 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. Wear personal protective equipment.

Hygiene measures

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed

Not expected to present a significant hazard under anticipated conditions of normal use.

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

Technical measures

Keep in a cool, well-ventilated place away from heat. Comply with applicable regulations.

Storage conditions

Store in original container. Keep container tightly closed. Store in a dry place. Keep away from ignition sources.

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

### 8.1. Control parameters

diethyleneglycolmonoethyl ether (111-90-0)

#### Canada (Ontario) - Occupational Exposure Limits

Local name	Diethylene glycol monoethyl ether
OEL TWA <sub>EV</sub>	165 mg/m <sup>3</sup>
	30 ppm



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Regulatory reference	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Ontario table of occupational exposure limits
Additional information	The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

### 8.2. Appropriate engineering controls

Appropriate engineering controls	Ensure good ventilation of the work station.
Environmental exposure controls	Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Handling and storage of this material do not require special precaution. Avoid all unnecessary exposure.

<b>Hand protection:</b>
Protective gloves

<b>Eye protection:</b>
Safety glasses

<b>Skin and body protection:</b>
Not required

<b>Respiratory protection:</b>
In case of insufficient ventilation, wear suitable respiratory equipment

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Pasty.
Colour	dark grey
Odour	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Odourless Pleasant odour Fruity odour Mild odour Vinegar odour
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Relative evaporation rate (ether=1)	No data available
Melting point	No data available
Freezing point	Not applicable
Boiling point	No data available
Flash point	Not applicable
Auto-ignition temperature	Not applicable



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Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative vapour density at 20°C	No data available
Relative density	No data available
Density	1 g/cm <sup>3</sup> (25°C)
Solubility	insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	> 20.5 mm <sup>2</sup> /s (40°C)
Explosive limits	Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	The product is stable at normal handling and storage conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
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.
Hardening time:	No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

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)

diethyleneglycolmonoethyl ether (111-90-0)	
LD50 oral	6031 mg/kg bodyweight (Equivalent or similar to OECD 401, Mouse, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	9143 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified (On basis of test data).
Respiratory or skin sensitization	Not classified

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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

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Viscosity, kinematic	> 20.5 mm <sup>2</sup> /s (40°C)
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.
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.

## 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

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts (26264-06-2)	
LC50 - Fish [1]	1.67 mg/l Test organisms (species): <i>Lepomis macrochirus</i>
EC50 - Crustacea [1]	2.9 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 96h - Algae [1]	29 mg/l Test organisms (species): <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i> )
NOEC chronic fish	0.23 mg/l Test organisms (species): <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i> ) Duration: '72 d'
NOEC (chronic)	1.18 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
diethyleneglycolmonoethyl ether (111-90-0)	
LC50 - Fish [1]	6010 mg/l (Equivalent or similar to OECD 203, 96 h, <i>Ictalurus punctatus</i> , Flow-through system, Fresh water, Experimental value, Lethal)
ErC50 algae	14861 mg/l (Equivalent or similar to OECD 201, 72 h, <i>Pseudokirchneriella subcapitata</i> , Static system, Fresh water, Experimental value, Nominal concentration)

### 12.2. Persistence and degradability

molybdenum(IV) sulfide (1317-33-5)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable



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molybdenum(IV) sulfide (1317-33-5)	
BOD (% of ThOD)	Not applicable
diethyleneglycolmonoethyl ether (111-90-0)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.2 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.85 g O <sub>2</sub> /g substance
ThOD	1.9078849 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.11 (Calculated value)

### 12.3. Bioaccumulative potential

molybdenum(IV) sulfide (1317-33-5)	
Bioaccumulative potential	No bioaccumulation data available.
diethyleneglycolmonoethyl ether (111-90-0)	
Bioaccumulative potential	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Pow)	-0.54 (Literature, 20 °C)

### 12.4. Mobility in soil

molybdenum(IV) sulfide (1317-33-5)	
Ecology - soil	Adsorbs into the soil.
diethyleneglycolmonoethyl ether (111-90-0)	
Surface tension	71.5 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil	Highly mobile in soil.

### 12.5. Other adverse effects

Ozone	Not classified
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## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation	Disposal must be done according to official regulations.
Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.
Additional information	Do not re-use empty containers.
Ecological waste information	Avoid release to the environment.

## SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA



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TDG	DOT	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

### 14.6. Special precautions for user

#### TDG

Not regulated

#### DOT

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

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

Not applicable

## SECTION 15: Regulatory information

### 15.1. National regulations

Hilti Grease	
Canada DSL & NDSL Flags	All components of this product are listed, or excluded from listing, on the Canadian Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

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

**Listed on the Canadian DSL (Domestic Substances List)**

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

**Listed on the Canadian DSL (Domestic Substances List)**



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diethyleneglycolmonoethyl ether (111-90-0)

Listed on the Canadian DSL (Domestic Substances List)

### SECTION 16: Other information

Issue date 11-03-2025  
Revision date 11-03-2025  
Supersedes 01-28-2025

Indication of changes

Section	Changed item	Change	Comments
	Legislation	Modified	

Full text of hazard classes and H-statements:

H315	Causes skin irritation
H318	Causes serious eye damage

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



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Abbreviations and acronyms:	
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 disruptor

SDS\_CA\_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.