

# Hilti Grease

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)  
Issue date: 12/06/2022

Revision date: 12/06/2022

Supersedes: 07/05/2019

Version: 2.0

### SECTION 1: Identification

#### 1.1. Product identifier

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

#### 1.2. Recommended use and restrictions on use

Recommended use	Special lubricant for insert tool connection end
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#### 1.3. Supplier

##### Supplier

Hilti (Canada) Corp.  
2360 Meadowpine Boulevard  
Mississauga, Ontario, L5N 6S2  
Canada  
T +1905 8139200  
1-800-363-4458 toll free - F +1 905 813 9009

##### Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH  
Hiltistraße 6  
Kaufering, 86916  
Deutschland  
T +49 8191 906876  
[anchor.hse@hilti.com](mailto:anchor.hse@hilti.com)

#### 1.4. Emergency telephone number

Emergency number	Chem-Trec
	Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)
	Tel.: 703 527 3887 (Other countries)

### 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

#### 2.4. Unknown acute toxicity (GHS CA)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

# Hilti Grease

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
molybdenum(IV) sulfide	dag 325 / molybdenite / molybdenum disulfide / molybdenum disulphide / molybdenum sulfide / molybdenum sulfide (MoS <sub>2</sub> ) / molybdenum(IV) sulfide / molykote / mopol M / mopol S / natural molybdenite	CAS-No.: 1317-33-5	2.5 – 5	Acute Tox. 4 (Inhalation:dust,mist), H332
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	-	CAS-No.: 4259-15-8	1 – 2.5	Eye Irrit. 2, H319 Aquatic Chronic 2, H411

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. Wash with plenty of 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	No information available.
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### 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

No additional information available

### 5.2. Unsuitable extinguishing media

No additional information available



# Hilti Grease

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

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

No additional information available

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

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	Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

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

Other information	Dispose of materials or solid residues at an authorized site.
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### 6.3. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
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.

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

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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Additional information	The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.
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### 8.2. Appropriate engineering controls

No additional information available

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

#### Personal protective equipment:

Handling and storage of this material do not require special precaution.

# Hilti Grease

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

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

**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	Black
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 odourless Almost odourless Pleasant odour Floral 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	No data available
Boiling point	No data available
Flash point	> 210 °C
Auto-ignition temperature	> 300 °C
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	< 0.1 mbar
Relative vapour density at 20°C	No data available
Relative density	No data available
Density	≈ 1.06 g/cm <sup>3</sup>
Solubility	insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	No data available
Explosive limits	No data available

### 9.2. Other information

VOC content	≈ 0 mg/l
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## SECTION 10: Stability and reactivity

Reactivity	No additional information available
Chemical stability	No additional information available
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	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	No additional information available



# Hilti Grease

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### 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

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 sensitization	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
Symptoms/effects	No information available.

### 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)	Not classified
Not rapidly degradable	

#### 12.2. Persistence and degradability

Hilti Grease	
Not rapidly degradable	
molybdenum(IV) sulfide (1317-33-5)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable



# Hilti Grease

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### 12.3. Bioaccumulative potential

molybdenum(IV) sulfide (1317-33-5)	
Bioaccumulative potential	No bioaccumulation data available.

### 12.4. Mobility in soil

molybdenum(IV) sulfide (1317-33-5)	
Ecology - soil	Adsorbs into the soil.

### 12.5. Other adverse effects

Ozone Not classified

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

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

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Rail transport

Not regulated



# Hilti Grease

## Safety Data Sheet

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### 14.7. Maritime transport in bulk according to IMO instruments

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)**

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

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

## SECTION 16: Other information

Issue date	12-06-2022
Revision date	12-06-2022
Supersedes	07-05-2019

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	

Full text of H-statements:	
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

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.