



# Hilti Grease

## Safety Data Sheet

According to Taiwan Ministry of Labour Lao-zhi Shou-tzu No. 10302007861, "Regulations for the Labeling and Hazard Communication of Hazardous Chemicals"

Date of issue:

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Supersedes:

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

#### Product identifier

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

#### Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture	Special lubricant for insert tool connection end
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#### Details of the supplier of the safety data sheet

##### Supplier

Hilti Taiwan Co., Ltd.  
24/F, No. 16, Xinzhan Road, Banqiao Dist.  
220 New Taipei City - Taiwan  
T +886 2 6630 0345;  
0800 221 036 Toll Free - F +886 2 2950 6132  
[twcs@hilti.com](mailto:twcs@hilti.com)

##### Department issuing data specification sheet

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

#### Emergency telephone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum - 24h Service +41 44 251 51 51 (international) +886 2 2357 9090 0800 221 036 Toll Free
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### SECTION 2: Hazards identification

#### Classification of the substance or mixture

##### GHS classification (Taiwan)

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

#### Label elements

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

No labelling applicable

#### Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### Substances

Not applicable



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### Mixtures

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

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### First aid measures for different exposure routes

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.

#### Protection for the first aid staff

Symptoms/effects	No information available.
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#### Protection for the first aid staff

Personal Protection in First Aid and Measures	-
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#### Notes to physician

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

#### Extinguishing media

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

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### Specific hazards arising from firefighting measures

#### Specific firefighting methods

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

Protection during firefighting	Use self-contained breathing apparatus and chemically protective clothing
Personal protection (Emergency response)	-

## SECTION 6: Accidental release measures

### 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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#### For non-emergency personnel

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

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 up	Collect spillage. Absorb spilled material with sand or earth. Collect all waste in suitable and labelled containers and dispose according to local legislation.
Other information	Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### Handling

Precautions for safe handling	Avoid contact with skin and eyes.
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.



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### Storage precautionary statements

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 equipment

#### Personal protective equipment

##### General:

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

### SECTION 9 Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state	Solid
Appearance	Pasty.
Colour	Black.
Odour	No data available.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	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
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> DIN 51757



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Solubility	insoluble in water.
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

### Other information

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

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

#### Likely routes of exposure

No additional information available

#### Synonyms

No additional information available

#### Acute toxicity

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)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	< mg/l/4h
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
LD50 oral rat	3100 mg/kg
LD50 dermal rabbit	> 5000 mg/kg



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### SECTION 12: Ecological information

#### Ecotoxicity Hilti Grease

Acute aquatic toxicity Not classified

#### 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)	
Ecology - soil	Adsorbs into the soil.

#### Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

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

### 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



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ADR	IMDG	IATA	RID
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

### 14.6. Special precautions for user

**- Overland transport**

**- Transport by sea**

No data available

**- Air transport**

No data available

**- Rail transport**

Carriage prohibited (RID) No

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

No data available

## SECTION 15: Regulatory information

No data available

## SECTION 16: Other information

Full text of H-statements:

H303	May be harmful if swallowed
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

**SDS prepared by**

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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.*