



# Hilti Grease

## Safety Data Sheet

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

Version: 1.0

Supersedes:

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

#### 1.1. Product identifier

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

#### 1.4. Supplier's details

##### Supplier

Hilti Far East Private Ltd.  
No 20 Harbour Drive,  
#06-06/08 PSA Vista  
117612 Singapore - Singapur  
T +65 6777 7887 - F +65 6777 3057  
[sg-customerservice@hilti.com](mailto:sg-customerservice@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)

#### 1.5. Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service  
+41 44 251 51 51 (international)  
+65 6777 7887

### SECTION 2: Hazards identification

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

#### 2.2. Label elements

Precautionary statements

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Concentration(%)	Formula	Product identifier
molybdenum(IV) sulfide	2.5 - 5	MoS <sub>2</sub>	(CAS-No.) 1317-33-5 (EC-No.) 215-263-9 (EC Index-No.)
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	1 - 2.5		(CAS-No.) 4259-15-8 (EC-No.) 224-235-5 (EC Index-No.)

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	Never give anything by mouth to an unconscious person.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
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.
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.
Ingestion	Never attempt to induce vomiting : risk of inhalation. Get immediate medical advice/attention.

#### 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

Treat symptomatically. Symptoms may be delayed.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Special Protective actions for the 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	Use self-contained breathing apparatus and chemically protective clothing.

### 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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##### 6.1.1. 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.

##### 6.1.2. 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.

#### 6.2. Environmental precautions

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

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### 6.3. 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.

### 6.4. Reference to other sections

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	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.

### 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

### 7.3. Specific end use(s)

Special lubricant for insert tool connection end.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate engineering controls

No additional information available

### 8.4. Personal protective equipment

Skin and body protection	Wear suitable protective clothing
Consumer exposure controls	Avoid contact during pregnancy/while nursing.

## SECTION 9: Physical and chemical properties

### 9.1. 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

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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
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

### 9.2. Other information

VOC content 0 mg/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Oxidizing agent. Pyrophoric or self-heating substances.

### 10.6. 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

### 11.1. Effects on humans

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

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### 11.2. Acute toxicity

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Oral	Rat	LD <sub>50</sub>	No data available
	Mouse	LD <sub>50</sub>	No data available
Inhalation	Rat	LC <sub>50</sub>	No data available
	Mouse	LC <sub>50</sub>	No data available
Dermal	Rabbit	LD <sub>50</sub>	No data available
	Mouse	LD <sub>50</sub>	No data available
molybdenum(IV) sulfide (1317-33-5)			
Oral	Rat	LD <sub>50</sub>	> 6000 mg/kg (Rat, Oral)
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)			
Oral	Rat	LD <sub>50</sub>	3100 mg/kg
Dermal	Rabbit	LD <sub>50</sub>	> 5000 mg/kg

### 11.3. Skin corrosion/irritation - Description

No data available

### 11.4. Serious eye damage/eye irritation - Description

No data available

### 11.5. Skin or Respiratory sensitization - Description

No data available

### 11.6. Germ cell mutagenicity - Description

No data available

### 11.7. Carcinogenicity - Description

No data available

### 11.8. Reproductive toxicity - Description

No data available

### 11.9. Specific target organ toxicity (single exposure) - Description

No data available

### 11.10. Specific target organ toxicity (repeated exposure) - Description

No data available

### 11.11. Aspiration hazard - Description

No data available

### 11.12. Other health hazard

No data available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Not classified
Not rapidly degradable	

#### 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
BOD (% of ThOD)	Not applicable

#### 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. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations.
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
<b>14.1. UN number</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated

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ADR	IMDG	IATA	RID
<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

## SECTION 15: Regulatory information

### 15.1. National regulations

No data available

### 15.2. International Regulations

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

Not classified

### 15.3. Chemical inventory status

No additional information available

## SECTION 16: Other information

Indication of changes Modified.

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
H332	Harmful if inhaled.
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.*