



Hilti Grease

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Date of issue: 09/07/2019

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Supersedes:

Version: 1.0

SECTION 1: Identification of the hazardous chemical and of the supplier

Product identifier

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

Other means of identification

No additional information available

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

Recommended use Special lubricant for insert tool connection end

Supplier's details

Supplier

Hilti (New Zealand) Ltd.
Level 1, Building B 600 South Road
Ellerslie
1051 Auckland - New Zealand
T +64 9 571 9995
, 800 444 584 toll free - F +64 9526 7780
servicenz@hilti.com

Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH
Hiltistraße 6
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T +49 8191 906876
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Emergency number

Schweizerisches Toxikologisches Informationszentrum – 24h Service
+41 44 251 51 51 (international)
+64 9 571 9995
; 800 444 584 toll free

Country	Organisation/Company	Address	Emergency number
New Zealand	National Poisons Centre		0800 623 000

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified as a hazardous chemical

2.2. Label elements

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc.	Classification according to the United Nations GHS (Rev. 4, 2011)
molybdenum(IV) sulfide	(CAS-No.) 1317-33-5	2.5 - 5	6.1D: Acute Tox. 4 (Inhalation:dust,mist), H332

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Name	Product identifier	Conc.	Classification according to the United Nations GHS (Rev. 4, 2011)
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	(CAS-No.) 4259-15-8	1 - 2.5	6.1E: Acute Tox. 5 (Oral), H303 6.4A: Eye Irrit. 2, H319 9.1B: Aquatic Chronic 2, H411

This mixture does not contain any substances to be mentioned according to the applicable regulations

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.
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.

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

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

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

5.3. 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	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.

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.

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.
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SECTION 7: Handling and storage, including how the chemical may be safely used

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Exposure limit values for the other components

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

No additional information available

8.4. Individual protection measures, such as personal protective equipment (PPE)

No additional information available

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

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SECTION 9: Physical and chemical properties

Physical state	Solid
Appearance	Pasty.
Colour	Black
Odour	No data available
Odour threshold	No data available
pH	No data available
Evaporation rate	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point / Freezing point	No data available
Boiling point	> °C
Flash point	> 210 °C ISO 3679
Auto-ignition temperature	> 300
Flammability (solid, gas)	No data available
Vapour pressure	Vapour pressure : < 0.1 mbar
Relative density	No data available
Density	Density : 1.06 g/cm³ DIN 51757
Solubility	insoluble in water.
Log Pow	No data available
Viscosity	No data available
Explosive properties	No data available
Explosive limits	No data available
Minimum ignition energy	No data available
VOC content	0 mg/l

SECTION 10: Stability and reactivity

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

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)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	< mg/l/4h
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

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Respiratory or skin sensitisation	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

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Not classified
Soil toxicity	Not classified
Terrestrial vertebrate toxicity	Not classified
Terrestrial invertebrate toxicity	Not classified

molybdenum(IV) sulfide (1317-33-5)	
LD50 oral rat	> 6000 mg/kg (Rat, Oral)
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
LD50 dermal rabbit	> 5000 mg/kg
LD50 oral rat	3100 mg/kg

12.2. Persistence and degradability

Hilti Grease	
Not rapidly degradable	
Persistence and degradability	No additional information available
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

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

Hilti Grease	
Mobility in soil	No additional information available
molybdenum(IV) sulfide (1317-33-5)	
Ecology - soil	Adsorbs into the soil.

12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

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SECTION 13: Disposal considerations

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.
Ecology - waste materials	Avoid release to the environment.
Additional information	When totally empty, containers are recyclable like any other packing.

SECTION 14: Transport information

In accordance with ADR / IATA / IMDG / RID

Other information No supplementary information available

ADR Regulatory status: Not regulated
 IMDG Regulatory status: Not regulated
 IATA Regulatory status: Not regulated
 RID Regulatory status: Not regulated

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			

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

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

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15.2. 15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

SDS Major/Minor

None

Date of issue

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Data sources

JCDB.

Full text of H-statements:

6.1D: Acute Tox. 4 (Inhalation:dust,mist)	6.1D: Acute toxicity (inhalation:dust,mist) Category 4
6.1E: Acute Tox. 5 (Oral)	6.1E: Acute toxicity (oral), Category 5
6.4A: Eye Irrit. 2	6.4A: Serious eye damage/eye irritation, Category 2
9.1B: Aquatic Chronic 2	9.1B: Hazardous to the aquatic environment — Chronic Hazard, Category 2
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_NZ_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.