



Hilti Grease

依据标准 : GB/T 16483, GB/T 17519-2013

Version:1.0

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Supersedes:

SECTION 1 Chemical product and company identification

Product identifier

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

Details of the supplier of the safety data sheet

Supplier	Department issuing data specification sheet
Hilti (China) Ltd. 8F, Tower 2, No.58 Yao Yuan Rd. Pudong District 200126 Shanghai - China T +86 21 6016 7316 cncs@hilti.com	Hilti Entwicklungsgesellschaft mbH Hiltistraße 6 86916 Kaufering - Deutschland T +49 8191 906876 anchor.hse@hilti.com

Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum -
24h Service
+41 44 251 51 51 (international)
+86 21 6016 7320
800-820-2585 (Toll Free)

Country	Organisation/Company	Address	Emergency number
China	中国境内化学事故应急咨询电话 / chemical accident emergency consultation service hotline (24/7)		400-6267-911

SECTION 2: Hazards identification

Emergency overview

Pasty, black. Direct sunlight. Extremely high or low temperatures. fume. Carbon monoxide. Carbon dioxide. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Use personal protective equipment as required. Equip cleanup crew with proper protection. Ventilate area

GHS classification

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

GHS CN labelling

Precautionary statements
(GHS CN)

Additional information

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SECTION 3: Composition/information on ingredients

Product form

Mixture

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

SECTION 4: First aid measures

Emergency

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.

Most Important Symptoms/Effects

Symptoms/effects No information available.

Personal Protection in First Aid and Measures

Notes for the doctor

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

SECTION 5 Fire fighting measures

Extinguishing media

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

Special hazard

Hazardous decomposition products in case of fire Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases

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Advice for firefighters and protective measures

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

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

Environmental precautions	Prevent entry to sewers and public waters Notify authorities if liquid enters sewers or public waters
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Methods and Equipment for Containment and Cleaning up

Prevention Measures for Secondary Accidents

Other information	Dispose of materials or solid residues at an authorized site
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SECTION 7 Handling and storage

Handling

Precautions for safe handling	Avoid contact with skin and eyes
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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.

Storage

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

SECTION 8: Exposure controls / Personal protection equipment

Occupational Exposure Limits

Additional information The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

Biological limit values

No additional information available

Monitoring methods

Personal protective equipment

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

Skin and body protection Wear suitable protective clothing

SECTION 9 Physical and chemical properties

Physical state Solid
Appearance Pasty
Colour Black
Odour No data available
Odour threshold (ppm) No data available
Odour threshold (mg/m³) No data available



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pH	No data available
pH solution	No data available
Relative evaporation rate (butylacetate=1)	No data available
Relative evaporation rate (ether=1)	No data available
Evaporation rate	No data available
Other properties	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
Critical temperature	No data available
Vapour pressure	< 0.1 mbar
Vapour pressure at 50 ° C	No data available
Critical pressure	No data available
Relative vapour density at 20 ° C	No data available
Relative density	No data available
Relative density of saturated gas/air mixture	No data available
Density	1.06 g/cm ³ DIN 51757
Relative gas density	No data available
Solubility	insoluble in water.
Solubility in water	No data available
Solubility in ethanol	No data available
Solubility in ether	No data available
Solubility in acetone	No data available
Solubility in organic solvents	No data available
Log Pow	No data available
Log Kow	No data available
Explosive limits (g/m ³)	No data available
Explosive limits (vol %)	No data available
Lower explosive limit (LEL)	No data available
Upper explosive limit (UEL)	No data available
Radioactive	No
VOC content	0 mg/l

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

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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

Acute toxicity

Acute toxicity (oral)	No data available
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	No data available

molybdenum(IV) sulfide	
LD50 oral rat	> 6000 mg/kg (Rat, Oral)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	< mg/l/4h
ATE CN (dust, mist)	1.5 mg/l/4h
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate)	
LD50 oral rat	3100 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE CN (oral)	3100 mg/kg bodyweight

Skin corrosion/irritation

Skin corrosion/irritation	No data available
pH	

Serious eye damage/irritation	
Serious eye damage/irritation	No data available

Respiratory or skin sensitisation

Respiratory or skin sensitisation	No data available
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Germ cell mutagenicity

Germ cell mutagenicity	No data available
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Carcinogenicity

Carcinogenicity	No data available
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Reproductive toxicity

Reproductive toxicity No data available

STOT-single exposure

STOT-single exposure No data available

STOT-repeated exposure

STOT-repeated exposure No data available

Aspiration hazard

Aspiration hazard No data available

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Human evidence for classification	No
Not able to form a pool	No
Hydrocarbon	No
Aliphatic, alicyclic or aromatic hydrocarbon	No
Polycyclic-aromatic hydrocarbons	No
Density	1.06 g/cm ³ DIN 51757

SECTION 12: Ecological information

Toxicity

Acute aquatic toxicity No data available

Chronic aquatic toxicity No data available

Persistence and degradability

molybdenum(IV) sulfide	
Not rapidly degradable	No
Persistence and degradability	Biodegradability: not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate)	
Not rapidly degradable	No



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Bioaccumulative potential

molybdenium(IV) sulfide	
Bioaccumulative potential	No bioaccumulation data available

Mobility in soil

molybdenium(IV) sulfide	
Ecology - soil	No bioaccumulation data available

Other adverse effects

Classification procedure (Ozone) No data available

Results of PBT and vPvB assessment

SECTION 13: Disposal considerations

Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations.
Additional information	When totally empty, containers are recyclable like any other packing.
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.

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
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			



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Special precautions for user

- **Overland transport**

- **Transport by sea**

No data available

- **Air transport**

No data available

- **Rail transport**

Carriage prohibited (RID) No

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

SECTION 15: Regulatory information

Regulation on the Safety Management of Hazardous Chemicals	Catalogue of Hazardous Chemicals (2015) 311, <Missing translation>
Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used	List of Highly Toxic Chemicals (2002)
Dangerous Goods List (GB 12268-2012)	Not listed
Rules for dangerous goods transport by railway	Not listed
Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals	Not listed
Regulation of the People's Republic of China on the Administration of the Import and Export of Goods	Not listed
Regulation on the Control of Precursor Chemicals	Not listed
Measures for the Administration of Pharmaceutical Precursor Chemicals	Not listed
Regulations on the Control of Agricultural Chemicals; Notice of Pesticide Transport	Not listed
Regulation on the Management of Controlled Chemicals	Not listed



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SECTION 16 Other information

Compiled according to GB/T 16483, GB/T 17519

SDS_CN_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.