

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

- **Product identifier**
- **Trade name:** Hilti Grease 50 mL
- **Article number:** 203086
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** Building and construction work
- **Application of the substance / the preparation** Lubricant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Hilti Deutschland AG  
Hiltistr. 2  
D-86916 Kaufering  
Tel +49 8191 90-0  
Fax +49 8191 90-1122  
Customer Service:  
Tel: 0800 - 888 55 22 (toll free)  
Fax: 0800 - 888 55 23 (toll free)  
E-Mail: de.kundenservice@hilti.com
- **Informing department:**  
see section 16  
anchor.hse@hilti.com
- **Emergency telephone number:**  
Schweizerisches Toxikologisches Informationszentrum - 24 h Service  
Tel.: 0041 / 44 251 51 51 (international)
- Hilti Deutschland AG  
Tel +49 8191 90-0  
Fax +49 8191 90-1122

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified as hazardous to health or environment according to the CLP regulation.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Combination of biodegradable ester oils, lithium and calcium soap and additives.
- **Dangerous components:** Void

## 4 First aid measures

- **Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Take affected persons into the open air and position comfortably
- **After skin contact** Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, call a physician.
- **After eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- **After swallowing** Do not induce vomiting; immediately call for medical help.
- **Information for doctor** No particular measures are known - treat according to symptoms.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents** High volume water jet
- **Special hazards arising from the substance or mixture**  
Formation of poisonous gases during heating or in fires.  
Carbon monoxide (CO)  
Sulphur dioxide (SO<sub>2</sub>)  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters**
- **Protective equipment:** In the event of fire, wear self contained breathing apparatus

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **Methods and material for containment and cleaning up:**  
Collect mechanically.  
Dispose of contaminated material as waste according to item 13.
- **Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Store only in the original container.  
Keep in a cool, dry and dark place; 5 °C to 25 °C.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.
- **Storage class** 11
- **Classification according to "Betriebssicherheitsverordnung (BetrSichV)":** -
- **Specific end use(s)** Special lubricant for insert tool connection end.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to general rules for handling chemicals.  
Keep away from foodstuffs, beverages and food.  
Wash hands during breaks and at the end of the work.
- **Protection of hands:** Oil resistant gloves

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- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Body protection:**



Protective work clothing.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - **Form:** pasty
  - **Colour:** Ember coloured
  - **Odour:** Weak, characteristic
  - **Odour threshold:** Not determined
- **pH-value:** Not applicable
- **Change in condition**
  - **Melting point/Melting range:** Not determined
  - **Boiling point/Boiling range:** > 300 °C (DIN 51 356)
- **Flash point:** ca. 250 °C (DIN EN ISO 2592)
- **Inflammability (solid, gaseous)** Not determined
- **Ignition temperature:** > 300 °C
- **Decomposition temperature:** Not determined
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive.
- **Critical values for explosion:**
  - **Lower:** Not determined
  - **Upper:** Not determined
- **Vapour pressure at 20 °C:** < 0,1 mbar
- **Density at 20 °C** 0,95 g/cm<sup>3</sup>
- **Relative density** Not determined
- **Vapour density** Not determined
- **Evaporation rate** Not determined
- **Solubility in / Miscibility with Water:** Insoluble
- **Partition coefficient (n-octanol/water):** Not determined
- **Viscosity:**
  - **dynamic:** Not determined
  - **kinematic:** Not determined
- **Solvent content:**
  - **EU-VOC [%]** 0 %
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Temperatures > 250 °C

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No decomposition if used according to specifications.

· **Possibility of hazardous reactions**

Reacts with oxidizing agents  
Reacts with strong acids and alkali

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:**

none, if stored and handled correctly.

During thermal decomposition at temperatures above 250 °C, the following is produced:

Poisonous gases/vapours

Carbon monooxide

Sulphur dioxide

\* **11 Toxicological information**

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritant effect.

· **Sensitization:** No sensitizing effect known.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** None

\* **12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464**

**EC:**

None

· **General notes:**

The product does not contain organically bounded halogens (AOX-free).

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation**

After prior treatment product has to be disposed of in an incinerator for hazardous waste under adherence to the regulations pertaining to the disposal of particularly hazardous waste.

Hand over to disposers of hazardous waste.

· **European waste catalogue**

12 01 12*	spent waxes and fats
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
17 02 04*	glass, plastic and wood containing or contaminated with dangerous substances

· **Uncleaned packagings:**

· **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

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**14 Transport information**

· UN-Number	
· ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· ADR	Void
· ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Remarks:	Not classified as dangerous goods in terms of the ADR
· IMDG	
· Remarks:	Not classified as dangerous goods as per above regulation.
· IATA	
· Remarks:	Not classified as dangerous goods as per above regulation.
· UN "Model Regulation":	-

**15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations
- Information about limitation of use: Employment restrictions concerning young persons must be observed.
- Classification according to "Betriebssicherheitsverordnung (BetrSichV)": -
- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Chemical safety assessment: not required.

**16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing data specification sheet:**

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**Contact:** Mechthild Krauter**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

- \* Data compared to the previous version altered.