

# Hilti 32

## Safety Data Sheet

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

Version: 1.0

Supersedes:

Revision date: 22.01.2019

Date of issue: 22.01.2019

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

#### 1.1. Product identifier

Product name Hilti 32  
Product code BU Anchor  
Type of product Synthetic hydraulic oils

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

No additional information available

#### 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 906310 - F +49 8191 90176310  
[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  |
|--|------------------|---------|---|
| distillates (petroleum), hydrotreated heavy paraffinic | 60 - 80          |         | (CAS-No.) 64742-54-7<br>(EC-No.) 265-157-1<br>(EC Index-No.) 649-467-00-8 |

# Hilti 32

## Safety Data Sheet

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

### 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. If you feel unwell, seek medical advice (show the label where possible). |
| Inhalation                 | Assure fresh air breathing. Allow the victim to rest.   |
| Skin contact               | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.                 |
| Eye contact                | Rinse immediately with plenty of water.   |
| Ingestion                  | Rinse mouth. Do NOT induce vomiting.  |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects                    | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation   | May cause respiratory irritation.  |
| Symptoms/effects after skin contact | Repeated or prolonged contact may cause slight irritation to the skin.                   |
| Symptoms/effects after eye contact  | May cause slight irritation.   |

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| 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 | Do not enter fire area without proper protective equipment, including respiratory protection.   |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures Spilled material may present a slipping hazard.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | Equip cleanup crew with proper protection. |
| Emergency procedures | Ventilate area.                            |

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

|                         |  |
|-------------------------|--|
| Methods for cleaning up | Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|--|

# Hilti 32

## Safety Data Sheet

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

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |
|-------------------------------|---|

### 7.2. Conditions for safe storage, including any incompatibilities

|                        |   |
|------------------------|---|
| Storage conditions     | Store at temperatures not exceeding 25 °C. Protect from sunlight. Store in a well-ventilated place. |
| Incompatible products  | Strong acids. Strong bases.   |
| Incompatible materials | Sources of ignition. Direct sunlight.   |

### 7.3. Specific end use(s)

No additional information available

## 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

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | Ensure good ventilation of the work station. |
|----------------------------------|--|

### 8.4. Personal protective equipment

|                                 |   |
|---------------------------------|---|
| Eye protection                  | Chemical goggles or safety glasses            |
| Skin and body protection        | Wear suitable protective clothing             |
| Environmental exposure controls | Avoid release to the environment.             |
| 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                             | Liquid            |
| Appearance                                 | Viscous.          |
| Colour                                     | amber.            |
| Odour                                      | characteristic.   |
| Odour threshold                            | No data available |
| pH   | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Melting point                              | -34 °C            |
| Freezing point                             | No data available |
| Boiling point                              | > 320 °C          |
| Flash point                                | 213 °C            |

# Hilti 32

## Safety Data Sheet

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

|                                  |  |
|----------------------------------|--|
| Auto-ignition temperature        | No data available                                |
| Decomposition temperature        | No data available                                |
| Flammability (solid, gas)        | No data available                                |
| Vapour pressure                  | < 0.1 kPa (20 °C)                                |
| Relative vapour density at 20 °C | No data available                                |
| Relative density                 | 0.871 (15,6 °C)                                  |
| Solubility                       | insoluble in water. Soluble in organic solvents. |
| Log Pow                          | No data available                                |
| Log Kow                          | > 7  |
| Viscosity, kinematic             | 32.9 cSt (40 °C)                                 |
| Viscosity, dynamic               | No data available                                |
| Explosive properties             | No data available                                |
| Oxidising properties             | No data available                                |
| Explosive limits                 | No data available                                |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions. Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use. No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

carbon oxides. Nitrogen oxides. fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Effects on humans

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

### 11.2. Acute toxicity

| Hilti 32 |       |                  |                   |
|----------|-------|------------------|-------------------|
| Oral     | Rat   | LD <sub>50</sub> | No data available |
|          | Mouse | LD <sub>50</sub> | No data available |

# Hilti 32

## Safety Data Sheet

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

|            |        |                  |                   |
|------------|--------|------------------|-------------------|
| 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 |

### 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

## SECTION 12: Ecological information

### 12.1. Toxicity

|                          |                                   |
|--------------------------|-----------------------------------|
| Acute aquatic toxicity   | Not classified                    |
| Chronic aquatic toxicity | Not classified                    |
| Other information        | Avoid release to the environment. |

### 12.2. Persistence and degradability

|                               |                  |
|-------------------------------|------------------|
| <b>Hilti 32</b>               |                  |
| Persistence and degradability | Not established. |

# Hilti 32

## Safety Data Sheet

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

### 12.3. Bioaccumulative potential

|                 |     |
|-----------------|-----|
| <b>Hilti 32</b> |     |
| Log Kow         | > 7 |

### 12.4. Mobility in soil

No additional information available

### 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

Product/Packaging disposal recommendations Dispose in a safe manner in accordance with local/national regulations.

## 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 |
| <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

# Hilti 32

## Safety Data Sheet

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

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

|             |   |
|-------------|---|
| Asp. Tox. 1 | Aspiration hazard, Category 1                 |
| H304        | May be fatal if swallowed and enters airways. |
| EUH210      | Safety data sheet available on request.       |

SDS\_SG\_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*