

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

- **1.1 Product identifier**
 - Trade name: **Hilti HIT-CT 1**
 - Container size 330 ml, 500 ml
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 - Sector of Use Building and construction work
 - Application of the substance / the mixture Adhesive mortar for rebar and anchor fastenings in solid concrete
- **1.3 Details of the supplier of the safety data sheet**
 - Manufacturer/Supplier:
Hilti Austria Ges.m.b.H.
Altmannsdorferstr. 165, Postfach 316
AT-1231 Wien
Tel +43 1 66101
Fax +43 1 66101 257

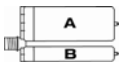
 - Customer Service:
Tel: 0800 818100
Fax: 0800 201990
Email: hiltiaustria@hilti.com
- **Informing department:**
anchor.hse@hilti.com
see section 16
- **1.4 Emergency telephone number:**
Schweizerisches Toxikologisches Informationszentrum - 24 h Service
Tel.: 0041 / 44 251 51 51 (international)

- VergiftungsInformationsZentrale - 24 h Service
014 06 43 43

SECTION 2: Hazards identification

- **2.1 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.

 - Classification according to Directive 67/548/EEC or Directive 1999/45/EC not applicable
 - Classification system:
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
 - **2.2 Label elements**
 - Labelling according to Regulation (EC) No 1272/2008 GHS label elements
 - Hazard pictograms Void
 - Signal word Void
 - Hazard statements Void
 - Precautionary statements
P262 Do not get in eyes, on skin, or on clothing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 - Additional information:
Contains dibenzoyl peroxide. May produce an allergic reaction.
 - **2.3 Other hazards**
 - Results of PBT and vPvB assessment
 - PBT: None
 - vPvB: None

 - Additional information:
- 
- Hilti HIT
- Information pertaining to particular dangers for man and environment: A None
 - Information pertaining to particular dangers for man and environment: B None

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SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description:

Mixture of the substances listed below with harmless additions.

Dangerous components:

Dangerous components A: None

Dangerous components B:

CAS: 94-36-0	dibenzoyl peroxide	<1%
EINECS: 202-327-6	Xi R36; Xi R43; E R3; O R7; N R50	
Reg.nr.: 01-2119511472-50	Org. Perox. B, H241; Aquatic Acute 1, H400 (M=10); Eye Irrit. 2, H319; Skin Sens. 1, H317	

SVHC None

Additional information For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information No special measures required.

After inhalation Supply fresh air.

After skin contact Instantly wash with water and soap and rinse thoroughly. If skin irritation persist, call a physician.

After eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After swallowing

Rinse out mouth and then drink plenty of water.

Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents Water spray, carbon dioxide (CO₂), carbon dioxide blanket, foam, or dry powder.

For safety reasons unsuitable extinguishing agents Water with full jet.

5.2 Special hazards arising from the substance or mixture

Can be released in case of fire

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for firefighters

Protective equipment: In the event of fire, wear self contained breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up:

Collect mechanically.

Collect in a suitable container and dispose of as described at paragraph 13.

6.4 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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special precautions necessary if used correctly.

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- Check the expiry date: see imprint on manifold (month/year). Do not use expired mortar!
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** 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:** Protect from heat and direct sunlight.
- **Storage class**
- As per VCI (1991) storage classification concept.
- 11
- **Class according to regulation on inflammable liquids:** Void
- **7.3 Specific end use(s)** Adhesive mortar for rebar and anchor fastenings in solid concrete

SECTION 8: Exposure controls/personal protection

- **8.1 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.
- The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 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.
- Avoid contact with the eyes and skin.
- Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
- recommendable
- No chemical-protective gloves required.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material** Not required.
- **As protection from splashes gloves made of the following materials are suitable:** Nitrile rubber, NBR
- **Eye protection:**



Safety glasses

EN 166 / EN 170

- **Body protection:** Light weight protective clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
- **Form:** pasty
- **Colour:** White
- **Odour:** Ester-like
- **Odour threshold:** Not determined
- **pH-value:** Component A: not applicable
Component B: ~ 7
- **Change in condition**
- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** Not determined
- **Flash point:** Component A: > 115 °C (DIN EN ISO 1523)
Component B: not applicable

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· Inflammability (solid, gaseous)	Not determined
· Ignition temperature:	Not determined
· Decomposition temperature:	Component A: not relevant Component B: SADT 65 °C UN test H4
· 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:	Not determined
· Density	Component A: 1,8 g/cm ³ (DIN 51757) Component B: 2,1 g/cm ³ (DIN 51757)
· Relative density	Not determined
· Vapour density	Not determined
· Evaporation rate	Not determined
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Partition coefficient (n-octanol/water):	Not determined
· Viscosity:	
dynamic at 20 °C:	40 Pa.s (DIN 53019)
kinematic at 20 °C:	> 20 s (ISO 2431)
· Solvent content:	
Organic solvents:	0 %
Water:	Component B: ~ 20%
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitisation:** Sensitization possible by skin contact.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

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- **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).
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** None
- **vPvB:** None
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
For disposal, local regulations issued by the authorities must be observed.
Smaller quantities can be disposed with household waste.
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be deposited with domestic waste or incinerated with domestic waste.

- **European waste catalogue**

08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27

- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.
Empty packs: May be disposed via the local Green Dot collecting system (ARA – Altstoff Recycling Austria AG) or EAK waste material code 150102 (plastic packaging materials)

SECTION 14: Transport information

- | | |
|---|--|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · ADR | Void |
| · ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications.
available oxygen content < 1 % |
| · UN "Model Regulation": | - |
| · HS-Code: | 3214 10 10: Glaziers' putty, grafting putty, resin cements, caulking compounds and other mastics |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008 GHS label elements**

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- **National regulations**
 - Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- **Classification according to VbF:** does not come under regulations governing flammable liquids
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57** None
- **15.2 Chemical safety assessment:** not required.

SECTION 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.

Relevant phrases

H241 Heating may cause a fire or explosion.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.
R7 May cause fire.
R36 Irritating to eyes.
R43 May cause sensitisation by skin contact.
R50 Very toxic to aquatic organisms.

Department issuing data specification sheet:

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

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
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 Harmonised 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)
VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

- * **Data compared to the previous version altered.**