



Hilti 32

依据标准 : GB/T 16483, GB/T 17519-2013

Version:1.0

Revision date:2019/01/22

Date of issue:2019/01/22

Supersedes:

SECTION 1 Chemical product and company identification

Product identifier

Product form Mixture
Product name Hilti 32
Product code BU Anchor

Details of the supplier of the safety data sheet

Supplier

Hilti (China) LTS.
Greenland Center No. 600
Middle Longhua Road, 22/F
Block B
Xuhui District
200233 Shanghai - China
T +86 21 6016 7320
800-820-2585 (Toll Free) - F
+86 21 6485 0311
cncs@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

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	chemical accident emergency consultation service hotline (24/7)		400-6267-911

SECTION 2: Hazards identification

Emergency overview

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

GHS classification

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

GHS CN labelling

Precautionary statements
(GHS CN)

Additional information

Hilti 32

Safety Data Sheet

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

SECTION 3: Composition/information on ingredients

Product form Mixture

SECTION 4: First aid measures

Emergency

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).
First-aid measures after inhalation	Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	Rinse immediately with plenty of water.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms/Effects

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.

Personal Protection in First Aid and Measures

Notes for the doctor

Other medical advice or treatment	Treat symptomatically
-----------------------------------	-----------------------

SECTION 5 Fire fighting measures

Extinguishing media

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

Special hazard

Hazardous decomposition products in case of fire	Formation of toxic gases is possible during heating or in case of fire.
--	---

Hilti 32

Safety Data Sheet

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

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	Do not enter fire area without proper protective equipment, including respiratory protection

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures	Spilled material may present a slipping hazard
------------------	--

For non-emergency personnel

For emergency responders

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

Environmental precautions

Environmental precautions	Avoid release to the environment Prevent entry to sewers and public waters
---------------------------	---

Methods and Equipment for Containment and Cleaning up

Prevention Measures for Secondary Accidents

SECTION 7 Handling and storage

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
-------------------------------	--

Storage

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.

SECTION 8: Exposure controls / Personal protection equipment

Occupational Exposure Limits

No additional information available

Hilti 32

Safety Data Sheet

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

Biological limit values

No additional information available

Monitoring methods

Appropriate engineering controls Ensure good ventilation of the work station

Personal protective equipment

Personal protective equipment Avoid all unnecessary exposure
Environmental exposure controls Avoid release to the environment.
Consumer exposure controls Avoid contact during pregnancy/while nursing.
Other information Do not eat, drink or smoke during use

Eye protection Chemical goggles or safety glasses
Skin and body protection Wear suitable protective clothing

SECTION 9 Physical and chemical properties

Physical state	Liquid
Appearance	Viscous
Colour	amber
Odour	characteristic
Odour threshold (ppm)	No data available
Odour threshold (mg/m ³)	No data available
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	-34 ° C
Freezing point	No data available
Boiling point	> 320 ° C
Flash point	213 ° C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Critical temperature	No data available
Vapour pressure	< 0.1 kPa (20 ° C)

Hilti 32

Safety Data Sheet

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

Vapour pressure at 50 ° C	No data available
Critical pressure	No data available
Relative vapour density at 20 ° C	No data available
Relative density	0.871 (15,6 ° C)
Relative density of saturated gas/air mixture	No data available
Density	No data available
Relative gas density	No data available
Solubility	insoluble in water, Soluble in organic solvents.
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	> 7
Viscosity, kinematic	32.9 cSt (40 ° C)
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

SECTION 10: Stability and reactivity

Chemical stability	The product is stable at normal handling and storage conditions. Stable under normal conditions
Possibility of hazardous reactions	Stable under normal conditions of use No dangerous reactions known under normal conditions of use
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
Incompatible materials	Strong acids Strong bases
Hazardous decomposition products	carbon oxides Nitrogen oxides fume Carbon monoxide Carbon dioxide

SECTION 11: Toxicological information

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

Hilti 32

Safety Data Sheet

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

Acute toxicity (inhalation) No data available

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

Germ cell mutagenicity

Germ cell mutagenicity No data available

Carcinogenicity

Carcinogenicity No data available

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

Hilti 32	
Human evidence for classification	No
Not able to form a pool	No
Hydrocarbon	No
Aliphatic, alicyclic or aromatic hydrocarbon	No
Polycyclic-aromatic hydrocarbons	No

Hilti 32

Safety Data Sheet

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

Viscosity, kinematic (calculated value) (40 ° C)	32.9 mm ² /s (40 ° C)
Viscosity, kinematic	32.9 cSt (40 ° C)

SECTION 12: Ecological information

Toxicity

Acute aquatic toxicity No data available
Chronic aquatic toxicity No data available

Hilti 32	
Log Kow	> 7

Persistence and degradability

Hilti 32	
Not rapidly degradable	No
Persistence and degradability	Not established

Bioaccumulative potential

Hilti 32	
Log Kow	See section 12.1 on ecotoxicology

Mobility in soil

Hilti 32	
Log Kow	See section 12.1 on ecotoxicology

Other adverse effects

Classification procedure (Ozone) No data available
Other information Avoid release to the environment.

Results of PBT and vPvB assessment

SECTION 13: Disposal considerations

Product/Packaging disposal recommendations Dispose in a safe manner in accordance with local/national regulations
Ecology - waste materials Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

Hilti 32

Safety Data Sheet

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

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			

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 73/78 and the IBC Code

SECTION 15: Regulatory information

Dangerous Goods List (GB 12268-2012) Not listed

Regulation on the Safety Management of Hazardous Chemicals Not listed

Rules for dangerous goods transport by railway Not listed

Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used Not listed

Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals Not listed

Hilti 32

Safety Data Sheet

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

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
Catalogue of Hazardous Chemicals (2015)	Not listed.
Major Hazard Installations for Dangerous Chemicals (GB 18218-2009)	Not listed.
Export Control List	Not listed.
Catalog of Toxic Chemicals Severely Restricted From Import and Export (2012)	Not listed.
List of Goods Prohibited from Export (No. 3) or Import (No. 6)	Not listed.
Drug Precursors	Not listed.
Pharmaceutical Precursor Chemicals	Not listed.
Controlled Chemicals Lists - Annex I & II	Not listed.
Hazardous Substances in Electronic Information Products (RoHS)	Not listed.
Ozone Depleting Substances Prohibited or Restricted for Production and Use	Not listed.
Ministry of Environmental Protection Announcement No. 23 of 2009 - Banned POPs	Not listed.

SECTION 16 Other information

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

SDS_CN_Hilti



Hilti 32

Safety Data Sheet

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

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