

Hilti 32

according to JIS Z 7253 : 2019

Issue date: 2022年04月06日 Revision date: 2022年04月06日

Supersedes: 2019年01月22日

Version:2.0

1. Chemical product and company identification

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

Recommended use of the chemical and restrictions on use

Recommended use	Hydraulic Fluids
Restrictions on use	For professional use only

Company information

Supplier

日本ヒルティ株式会社
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Department issuing data specification sheet

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Emergency telephone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum – 24h Service +41 44 251 51 51 (international) +81 45 943 6211
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2. Hazards identification

Classification of the substance or mixture

GHS classification

Physical hazards	Flammable liquids	No classification
Health hazards	Aspiration hazard	No classification

Label elements

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3. Composition/information on ingredients

Distinction of substance or mixture Mixture

Name	Concentration (%)	Formula	Reference number in the gazette list		CAS-No.
			CSCL No.	ISHL No.	
distillates (petroleum), hydrotreated heavy paraffinic	80 – 100	-	-	-	64742-54-7

4. First aid measures

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).
First-aid measures after inhalation	Allow affected person to breathe fresh air. 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.

Other medical advice or treatment

Other medical advice or treatment	Treat symptomatically.
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5. Fire fighting measures

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Suitable extinguishing media	Foam, Dry powder, Carbon dioxide, Water spray, Sand
Unsuitable extinguishing media	Do not use a heavy water stream
Hazardous decomposition products in case of fire	Formation of toxic gases is possible during heating or in case of fire.
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.

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

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.

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.

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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.

8. Exposure controls / Personal protection equipment

Appropriate engineering controls	Ensure good ventilation of the work station
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Protective equipment

Personal protective equipment	Avoid all unnecessary exposure
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.
Other information	Do not eat, drink or smoke during use

9. Physical and chemical properties

Physical state	Liquid
Appearance	Viscous
Colour	amber
Odour	characteristic
pH	No data available
Melting point	-34 °C
Freezing point	No data available
Boiling point	> 320 °C
Flash point	213 °C

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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 density	0.871 (15,6 °C)
Density	No data available
Relative gas density	No data available
Solubility	insoluble in water. Soluble in organic solvents.
Partition coefficient n-octanol/water (Log Pow)	No data available
Partition coefficient n-octanol/water (Log Kow)	> 7
Explosive limits (vol %)	No data available
Viscosity, kinematic:	32.9 mm ² /s (40 °C)
Particle characteristics	No data available

10. Stability and reactivity

Reactivity	No data available
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.

11. Toxicological information

Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met
Acute toxicity (oral)	No data available
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	No data available

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Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory sensitization	No data available
Skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	Not classified

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Viscosity, kinematic	32.9 mm ² /s (40 °C)
distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Viscosity, kinematic	≤ 20.5 mm ² /s (40 °C)

12. Ecological information

Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	No data available
Hazardous to the aquatic environment, long-term (chronic)	No data available
Other information	Avoid release to the environment.

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Partition coefficient n-octanol/water (Log Kow)	> 7

Persistence and degradability

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Persistence and degradability	Not established.

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Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Kow)	> 7
Bioaccumulative potential	No data available

Mobility in soil

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Mobility in soil	No data available
Partition coefficient n-octanol/water (Log Kow)	> 7

Hazardous to the ozone layer

Ozone	No data available
Other adverse effects	No additional information available

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.

14. Transport information

In accordance with ADR / IMDG / IATA / RID /

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

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ADR	IMDG	IATA	RID
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			

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Regulations in Japan

Other information

No supplementary information available

15. Regulatory information

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National law

Industrial Safety and Health Law

Dangerous or Harmful Substances for Notification of Chemical Name etc. on SDS
(Act, Art.57-2, Enforcement Order, Art.18-2 Item 1 and 2, Appended Table 9)
鉱油 (Ordinance number : 168) (> 90%)

16. Other information

Indication of changes

Section	Changed item	Change	Comments
1	Restrictions on use	Added	
1	Recommended use	Added	
3	Composition/information on ingredients	Modified	

SDS_JP_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.