

# Universal cutting oil

## Safety Data Sheet

According to ICOP 2014  
Issue date: 17/05/2024

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Supersedes:

Version: 1.0

### SECTION 1: Identification of the hazardous chemical and of the supplier

#### 1.1. Product identifier

Name Universal cutting oil



#### 1.2. Other means of identification

Product code BU ET&A

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

Recommended use Lubricant  
Restrictions on use For professional use only

#### 1.4. Supplier details

##### Supplier

Hilti (Malaysia) Sdn. Bhd.  
F-5-A, Sime Darby Brunfield Tower, No. 2, Jalan PJU 1A/7A  
Oasis Square, Oasis Damansara  
47301 Petaling Jaya, Selangor  
Malaysia  
T +60 3 5628 7222  
1800 880 985 toll free - F +60 3 7848 7399

##### Department issuing data specification sheet

Hilti AG  
Feldkircherstraße 100  
9494 Schaan  
Liechtenstein  
T +423 234 2111  
[product.compliance-power.tools@hilti.com](mailto:product.compliance-power.tools@hilti.com)

#### 1.5. Emergency phone number

Emergency number GBK GmbH Global Regulatory Compliance  
+49 (0)6132-84463

Country	Organisation/Company	Address	Emergency number	Comment
Malaysia	Malaysia National Poison Centre (NPC) Universiti Sains Malaysia	11800 Penang	+60 (0)4 6536 999 (Mon-Fri 8am-10pm; Sat, Sun & Public Holiday 8am-5pm)	

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)  
Not classified

#### 2.2. Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)  
No labelling applicable

#### 2.3. Other hazards that do not result in classification

No additional information available

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### SECTION 3: Composition and information of the ingredients of the hazardous chemical

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the applicable regulations

### SECTION 4: First-aid measures

#### 4.1. Description of necessary 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. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	Rinse mouth. If you feel unwell, seek medical advice.

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

Symptoms/effects Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media	Carbon dioxide. Dry powder. Alcohol resistant foam.
Unsuitable extinguishing media	Do not use a heavy water stream.

#### 5.2. Physicochemical hazards arising from the chemical

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

#### 5.3. Special protective equipment and precautions for fire fighters

Firefighting instructions	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. Use a self-contained breathing apparatus and also a protective suit.

### SECTION 6: Accidental release measures

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

General measures If spilled, may cause the floor to be slippery.

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

Emergency procedures Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

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

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up

Collect spillage. Store away from other materials. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed

Prevent aerosol formation or splashes.

Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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

Storage conditions

Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep away from ignition sources.

Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

Heat and ignition sources

Do not heat the storage container.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters

No additional information available

#### Exposure limit values for the other components

No additional information available

#### 8.1.1 Biological monitoring

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls

Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations.

### 8.3. Individual protection measures, such as PPE

#### Materials for protective clothing:

Do not carry cleaning cloths soaked in product in trouser pockets. Wear suitable protective clothing

#### Hand protection:

Avoid repeated or prolonged contact with the skin

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,38		EN ISO 374

#### Eye protection:

Chemical goggles or face shield with safety glasses. Avoid contact with skin and eyes

Type	Field of application	Characteristics	Standard
Face shield, Safety goggles	Droplet		

#### Respiratory protection:

Ensure good ventilation of the work station. Avoid breathing dust, mist or spray

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### SECTION 9: Physical and chemical properties

Physical state	Liquid
Appearance	Liquid.
Colour	Yellow
Odour	No data available
Odour threshold	No data available
pH	Not applicable
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	280 °C
Evaporation rate	No data available
Flammability (solid, gas)	Flammable liquid and vapour.
Explosive limits	No data available
Vapour pressure	No data available
Relative vapour density at 20°C	No data available
Relative density	No data available
Solubility	insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	No data available
Partition coefficient n-octanol/water (Log Kow)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, kinematic	35 mm <sup>2</sup> /s (40 °C)
Viscosity, dynamic	No data available
Density	0.92 g/cm <sup>3</sup>
VOC content	0 %

### SECTION 10: Stability and reactivity

Reactivity	Stable under normal conditions of use
Chemical stability	Stable under normal conditions of use
Possibility of hazardous reactions	Stable under normal conditions of use
Conditions to avoid	Stable under normal conditions of use
Incompatible materials	Strong acids, Strong bases, Strong oxidizing agents
Hazardous decomposition products	fume, Carbon dioxide, Toxic gases may be formed

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion or irritation	Not classified pH: Not applicable
Serious eye damage or eye irritation	Not classified
Respiratory sensitization	Not classified
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (STOT) – single exposure	Not classified
Specific target organ toxicity (STOT) – repeated exposure	Not classified
Aspiration hazard	Not classified

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Viscosity, kinematic	35 mm <sup>2</sup> /s (40 °C)
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified
Other information	Avoid release to the environment.

#### 12.2. Persistence and degradability

<b>Universal cutting oil</b>	
Persistence and degradability	Not established.

#### 12.3. Bioaccumulative potential

<b>Universal cutting oil</b>	
Bioaccumulative potential	Not established.

#### 12.4. Mobility in soil

<b>Universal cutting oil</b>	
Mobility in soil	No additional information available

#### 12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

### SECTION 13: Disposal information

#### 13.1. Disposal methods

Product/Packaging disposal recommendations	Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains.
Ecological information	Avoid release to the environment.

### SECTION 14: Transportation information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
<b>14.1. UN number or ID 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

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ADR	IMDG	IATA	RID
<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

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health, and environmental regulations specific for the hazardous chemical in question

Regulation	Component/ Mixture
EHS Notification and Registration Scheme	Not applicable
EHS Notification and Registration Scheme	Universal cutting oil
Environmental Quality (Chlorofluorocarbons Prohibition) Order 1993	Universal cutting oil
Environmental Quality (Industrial Effluent) Regulations 2009	Universal cutting oil
Environmental Quality (Scheduled Wastes) Regulations 2007	Universal cutting oil
Control of Industrial Major Accident Hazards Regulations 1996	Universal cutting oil
Prohibition of Use of Substance Order 1999	Universal cutting oil
Use and Standards of Exposure of Chemical Hazardous to Health Regulations 2000	Universal cutting oil
Chemical Weapons Convention Act	Universal cutting oil
Corrosive and Explosive Substances and Offensive Weapons Act	Universal cutting oil
Dangerous Drugs Act	Universal cutting oil
Pesticides Act	Universal cutting oil
Petroleum (Safety Measures) Act	Universal cutting oil

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Poisons Act 1952		Universal cutting oil
Poisons (Psychotropic Substances) Regulations 1989		Universal cutting oil

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

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### Abbreviations and acronyms

CAS-No. - Chemical Abstract Service number  
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE - Acute Toxicity Estimate  
 BCF - Bioconcentration factor  
 BLV - Biological limit value  
 BOD - Biochemical oxygen demand (BOD)  
 CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
 COD - Chemical oxygen demand (COD)  
 DMEL - Derived Minimal Effect level  
 DNEL - Derived-No Effect Level  
 EC-No. - European Community number  
 EC50 - Median effective concentration  
 ED - Endocrine disrupting properties  
 EN - European Standard  
 IARC - International Agency for Research on Cancer  
 IATA - International Air Transport Association  
 IMDG - International Maritime Dangerous Goods  
 IOELV - Indicative Occupational Exposure Limit Value  
 LC50 - Median lethal concentration  
 LD50 - Median lethal dose  
 LOAEL - Lowest Observed Adverse Effect Level  
 N.O.S. - Not Otherwise Specified  
 NOAEC - No-Observed Adverse Effect Concentration  
 NOAEL - No-Observed Adverse Effect Level  
 NOEC - No-Observed Effect Concentration  
 OECD - Organisation for Economic Co-operation and Development  
 OEL - Occupational Exposure Limit  
 PBT - Persistent Bioaccumulative Toxic  
 PNEC - Predicted No-Effect Concentration  
 REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
 RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
 SDS - Safety Data Sheet  
 TLM - Median Tolerance Limit  
 TRGS - Technical Rules for Hazardous Substances  
 ThOD - Theoretical oxygen demand (ThOD)  
 VOC - Volatile Organic Compounds  
 WGK - Water Hazard Class  
 vPvB - Very Persistent and Very Bioaccumulative



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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.