

Universal cutting oil

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 17.05.2024 Revision date: 17.05.2024 Version: 1.0

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

1.1. Product identifier

| | |
|--------------|-----------------------|
| Product form | Mixture |
| Product name | Universal cutting oil |
| Product code | BU ET&A |



1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

| | |
|----------------------------------|---------------------------|
| Industrial/Professional use spec | For professional use only |
| Use of the substance/mixture | Lubricant |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Hilti Deutschland AG
Hiltistr. 2
DE 86916 Kaufering
Deutschland
T +49 8191 90-0 , F +49 8191 90-1122
de.kundenservice@hilti.com

Department issuing data specification sheet

Hilti AG
Feldkircherstraße 100
FL 9494 Schaan
Liechtenstein
T +423 234 2111
product.compliance-power.tools@hilti.com

1.4. Emergency telephone number

| | |
|------------------|---|
| Emergency number | Emergency CONTACT (24-Hour-Number): GBK GmbH Global Regulatory Compliance +49 (0)6132-84463 |
|------------------|---|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

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2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
 Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

| Component | |
|----------------------|---|
| rape oil (8002-13-9) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

| Component | |
|----------------------|---|
| rape oil (8002-13-9) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|-----|---|
| rape oil Stoff mit nationalem Arbeitsplatzgrenzwert (DE) | CAS-No.: 8002-13-9 EC-No.: 232-299-0 | 100 | Not classified |

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). |
| 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 and effects, both acute and delayed

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

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

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5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Precautionary measures fire Evacuate area.
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.

6.3. Methods and material 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).

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. (See section 7: Handling and Storage). See Section 13 for disposal information.

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.
Storage class (LGK, TRGS 510) LGK 10 - Combustible liquids

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values



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| rape oil (8002-13-9) | |
|--|--|
| Germany - Occupational Exposure Limits (TRGS 900) | |
| Local name | Triglyceride: Rapsöl |
| AGW (OEL TWA) | 5 mg/m ³ (A) |
| Peak exposure limitation factor | 4(II) |
| Remark | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden |
| Regulatory reference | TRGS900 |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

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

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:

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

| Eye protection | | | |
|-----------------------------|----------------------|-----------------|----------|
| Type | Field of application | Characteristics | Standard |
| Face shield, Safety goggles | Droplet | | |

8.2.2.2. Skin protection

Hand protection:

Avoid repeated or prolonged contact with the skin

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

Other skin protection

Materials for protective clothing:

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

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8.2.2.3. Respiratory protection

Respiratory protection:

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

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|-------------------------------|
| Physical state | Liquid |
| Colour | Yellow. |
| Appearance | Liquid. |
| Odour | Not available |
| Odour threshold | Not available |
| Melting point | Not available |
| Freezing point | Not available |
| Boiling point | Not available |
| Flammability | Flammable liquid and vapour. |
| Lower explosion limit | Not available |
| Upper explosion limit | Not available |
| Flash point | 280 °C |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| pH | Not applicable |
| Viscosity, kinematic | 35 mm ² /s (40 °C) |
| Solubility | insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | Not available |
| Vapour pressure | Not available |
| Vapour pressure at 50°C | Not available |
| Density | 0,92 g/cm ³ |
| Relative density | Not available |
| Relative vapour density at 20°C | Not available |
| Particle characteristics | Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

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10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Stable under normal conditions of use.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

fume. Carbon dioxide. Toxic gases may be formed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|-----------------------------------|--|
| Acute toxicity (oral) | Not classified |
| Acute toxicity (dermal) | Not classified |
| Acute toxicity (inhalation) | Not classified |
| Skin corrosion/irritation | Not classified |
| Additional information | pH: Not applicable |
| Serious eye damage/irritation | Based on available data, the classification criteria are not met |
| Additional information | Not classified |
| Respiratory or skin sensitisation | pH: Not applicable |
| Additional information | Based on available data, the classification criteria are not met |
| Germ cell mutagenicity | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Carcinogenicity | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Reproductive toxicity | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| STOT-single exposure | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| STOT-repeated exposure | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Aspiration hazard | Not classified |
| Additional information | Based on available data, the classification criteria are not met |

| Universal cutting oil | |
|-----------------------|-------------------------------|
| Viscosity, kinematic | 35 mm ² /s (40 °C) |

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2. Other information

Potential adverse human health effects and symptoms Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) Not classified

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Hazardous to the aquatic environment, long-term (chronic) Not classified

12.2. Persistence and degradability

| Universal cutting oil | |
|-------------------------------|---------------------------------|
| Persistence and degradability | Not established. |
| rape oil (8002-13-9) | |
| Persistence and degradability | Readily biodegradable in water. |

12.3. Bioaccumulative potential

| Universal cutting oil | |
|---------------------------|----------------------|
| Bioaccumulative potential | Not established. |
| rape oil (8002-13-9) | |
| Bioaccumulative potential | Not bioaccumulative. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

| Universal cutting oil |
|---|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Regional waste regulation | Dispose of contaminated materials in accordance with current regulations. |
| 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. |
| European List of Waste (LoW, EC 2000/532) | 12 01 19* - readily biodegradable machining oil |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

| ADR | IMDG | IATA | RID |
|----------------------------------|---------------|---------------|---------------|
| 14.1. UN number or ID 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 |



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| ADR | IMDG | IATA | RID |
|--|---------------|---------------|---------------|
| 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. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content 0 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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15.1.2. National regulations

Germany

Water hazard class (WGK)

Hazardous Incident Ordinance (12. BImSchV)

WGK awg, Hazardous to water in general (Classification according to AwSV, Annex 1).

Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

| 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 |



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| Abbreviations and acronyms: | |
|-----------------------------|---|
| 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 |

Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

None.

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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.