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

### 1.1. Product identifier

**Name of product** Ballistol Universalöl-flüssig

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

**Recommended intended purpose(s)**

Preservation of metal, wood, leather, rubber, synthetic material

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer**

F.W.Klever  
Hauptstraße 20, D-84168 Aham  
Phone +49 (0) 8744 96 99 10, Fax + 49 (0) 8744 96 99 96  
E-Mail [info@ballistol.de](mailto:info@ballistol.de)  
Internet [www.ballistol.de](http://www.ballistol.de)

**Advice**

Qualitätssicherung  
Phone +49 (0) 8744 96 99 30  
E-mail (competent person):  
[info@ballistol.de](mailto:info@ballistol.de)

### 1.4. Emergency telephone number

**Emergency advice**

Dr.Zettler (Werktags von 8.00 Uhr bis 16.00 Uhr) oder  
Giftnotrufzentrale 022819240  
Phone +49 (0) 8744 96 99 30

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

**Additional hints**

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].  
Examination L.2 for self-sustaining incineration according to UN recommendations for the transport of dangerous goods, manual on tests and criteria, Part III Section 32 has been carried out and is negative. classification in category 3 is not applicable.

### 2.2. Label elements

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

No information available.

### 2.3. Other hazards

No information available.



## **! SECTION 3: Composition/ information on ingredients**

### **3.1. Substances**

not applicable

### **3.2. Mixtures**

#### **! Additional advice**

no harmful ingredients

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## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **In case of inhalation**

Ensure of fresh air.

#### **In case of skin contact**

No special measure necessary.

#### **In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### **In case of ingestion**

No special measures are needed.

### **4.2. Most important symptoms and effects, both acute and delayed**

No information available.

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

#### **Treatment (Advice to doctor)**

Treat symptoms.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Foam

ABC-pulber

Carbon dioxide

#### **Unsuitable extinguishing media**

Full water jet

### **5.2. Special hazards arising from the substance or mixture**

In the event of fire the following can be released:

Nitrogen gases (NO<sub>x</sub>)

Carbon dioxide (CO<sub>2</sub>)

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply ( isolated ).



## **SECTION 6: Accidental release measures**

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

#### **For non-emergency personnel**

High risk of slipping due to leakage/spillage of product.

### **6.2. Environmental precautions**

Do not seep away runed out product into ground or body of water.

### **6.3. Methods and material for containment and cleaning up**

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder).

### **6.4. Reference to other sections**

No information available.

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

No special measures necessary if used correctly.

#### **General protective measures**

Avoid contact with the eyes.

#### **Hygiene measures**

Remove soiled or soaked clothing immediately.

Wash hands before breaks and after work.

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

#### **Requirements for storage rooms and vessels**

Keep only in original container.

#### **Further information on storage conditions**

Recommended storage temperature: room temperature.

#### **Information on storage stability**

At appropriate storage unlimited stability.

**Storage group** 12

### **7.3. Specific end use(s)**

No information available.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

No information available.

### **8.2. Exposure controls**

#### **Hand protection**

Ballistol is dermatologically tested and rated "very good", so that the hand guard or the skin is not necessary.

#### **Eye protection**

With demand: protective glasses



## ! SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance**

oily

**Colour**

yellowish

**Odour**

characteristic

**Odour threshold**

not determined

**Important health, safety and environmental information**

|                                                                   | Value          | Temperature | at | Method    | Remark                |
|-------------------------------------------------------------------|----------------|-------------|----|-----------|-----------------------|
| <b>pH value</b>                                                   | ca. 8          |             |    |           | emulsio<br>on<br>vees |
| <b>Boiling temperature /<br/>boiling range</b>                    | not determined |             |    |           |                       |
| <b>Melting point /<br/>Freezing point</b>                         | not determined |             |    |           |                       |
| <b>Flash point</b>                                                | 55 °C          |             |    |           |                       |
| <b>Vapourisation rate</b>                                         | not determined |             |    |           |                       |
| <b>Flammable (solid)</b>                                          | not determined |             |    |           |                       |
| <b>Flammability (gas)</b>                                         | not determined |             |    |           |                       |
| <b>Ignition temperature</b>                                       | not determined |             |    |           |                       |
| <b>Self ignition<br/>temperature</b>                              | not determined |             |    |           |                       |
| <b>Lower explosion limit</b>                                      | no             |             |    |           |                       |
| <b>Upper explosion limit</b>                                      | no             |             |    |           |                       |
| <b>Vapour pressure</b>                                            | not determined |             |    |           |                       |
| <b>Relative density</b>                                           | ca. 0,863 g/ml | 20 °C       |    | 1013 mbar |                       |
| <b>Vapour density</b>                                             | not determined |             |    |           |                       |
| <b>Solubility in water</b>                                        |                | 20 °C       |    | 1 atm     | emulsifi<br>able      |
| <b>Solubility/other</b>                                           | not determined |             |    |           |                       |
| <b>Partition coefficient n-<br/>octanol/water (log P<br/>O/W)</b> | not determined |             |    |           |                       |
| <b>Decomposition<br/>temperature</b>                              | not determined |             |    |           |                       |



|                            | Value                     | Temperature | at | Method | Remark |
|----------------------------|---------------------------|-------------|----|--------|--------|
| <b>Viscosity kinematic</b> | ca. 40 mm <sup>2</sup> /s | 20 °C       |    |        |        |

**Oxidising properties**

No information available.

**Explosive properties**

No information available.

**9.2. Other information**

No information available.

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## SECTION 10: Stability and reactivity

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

No information available.

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

**Substances to avoid**

Reactions with strong oxidising agents.

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

**Additional information**

Product is stable under normal storage conditions

The product must not be marked as light-inflamatory, because the check L. 2 of the order (EC) No. 1272/2008 has been negative.

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## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Acute toxicity/Irritation/Sensitization**

|                              | Value/Validation | Species | Method | Remark                    |
|------------------------------|------------------|---------|--------|---------------------------|
| <b>LD50 acute oral</b>       | no               |         |        |                           |
| <b>LD50 acute dermal</b>     | no               |         |        |                           |
| <b>LC50 acute inhalation</b> | no               |         |        |                           |
| <b>Skin irritation</b>       | non-irritant     |         |        | See Chapter 8<br>"Gloves" |



|                                       | Value/Validation                   | Species | Method | Remark      |
|---------------------------------------|------------------------------------|---------|--------|-------------|
| <b>Eye irritation</b>                 | low irritant - no labeling<br>duty |         |        | experiences |
| <b>Skin sensitization</b>             | non-sensitizing                    |         |        |             |
| <b>Experiences made from practice</b> |                                    |         |        |             |

## SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

|                                 | Elimination rate              | Method of analysis | Method | Validation |
|---------------------------------|-------------------------------|--------------------|--------|------------|
| <b>Biological degradability</b> | The product is biodegradable. |                    |        |            |

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste code No.

13 02 07\*

#### Name of waste

readily biodegradable engine, gear and lubricating oils

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

### Recommendations for packaging

Totally emptied packaging may be taken for recycling.

Barrel: return by DSD ( Dualistic System Germany )

### General information

Waste removal corresponding to official directives



## ! SECTION 14: Transport information

|                                                                                | ADR/RID                                                      | IMDG | IATA-DGR |
|--------------------------------------------------------------------------------|--------------------------------------------------------------|------|----------|
| 14.1. UN number                                                                | -                                                            | -    | -        |
| 14.2. UN proper shipping name                                                  | -                                                            | -    | -        |
| 14.3. Transport hazard class(es)                                               | -                                                            | -    | -        |
| 14.4. Packing group                                                            | -                                                            | -    | -        |
| 14.5. Environmental hazards                                                    | -                                                            | -    | -        |
| 14.6. Special precautions for user                                             | No information available.                                    |      |          |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable                                               |      |          |
| Land and inland navigation transport ADR/RID                                   | No dangerous goods according to 2.2.3.1.1 ADR                |      |          |
| Marine transport IMDG                                                          | No dangerous goods as defined by these transport regulations |      |          |
| Air transport ICAO/IATA-DGR                                                    | No dangerous goods according to IATA 3.3.1.3                 |      |          |

## SECTION 15: Regulatory information

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

#### National regulations

Water hazard class 1 self-classification

### 15.2. Chemical Safety Assessment

No information available.

## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 7.8