



! 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
Internet www.ballistol.de

Advice

Qualitätssicherung
Phone +49 (0) 8744 96 99 30
E-mail (competent person):
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

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

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.

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_x)

Carbon dioxide (CO₂)

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.

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.

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



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

Oxidising properties

No information available.

Explosive properties

No information available.

9.2. Other information

No information available.

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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

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



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

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

| | Elimination rate | Method of analysis | Method | Validation |
|---------------------------------|-------------------------------|--------------------|--------|------------|
| Biological degradability | 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