



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

### 1.1. Product identifier

Name of product Universalöl BALLISTOL

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

#### Identified uses

#### Sector of uses [SU]

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

#### Recommended intended purpose(s)

Cleaner, rust protection, penetrating oil, contact spray

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

#### Manufacturer/distributor

joke Technology GmbH  
Asselborner Weg 14-16, D-51429 Bergisch Gladbach  
Phone +49 (0) 22 04 - 8 39 - 0, Fax +49 (0) 22 04 - 8 39 - 60  
E-Mail [info@joke.de](mailto:info@joke.de)  
Internet [www.joke.de](http://www.joke.de)

#### Advice

Stefan Spiegel  
Phone +49 (0) 22 04 - 8 39 - 77  
Fax +49 (0) 22 04 - 8 39 - 60  
E-mail (competent person):  
[s.spiegel@joke.de](mailto:s.spiegel@joke.de)

### 1.4. Emergency telephone number

#### Emergency advice

Vergiftungs-I-Z. Freiburg  
Phone +49 (0) 7 61 - 1 92 40  
REACH and CLP UK CA Help Desk; Telephone: +44  
171 635 9191

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Aerosol 1	H222, H229	
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#### Hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

### 2.2. Label elements

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



GHS02

**Signal word**  
Danger

**Hazard statements for physical hazards**  
H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

**Precautionary Statements**

**General**

P102 Keep out of reach of children.

**Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.

**Response**

P370 + P378 In case of fire: Use water for extinction.

**Storage**

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal**

P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

**2.3. Other hazards**

**Results of PBT and vPvB assessment**

No information available.

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

**3.1. Substances**

not applicable

**3.2. Mixtures**

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
74-98-6	200-827-9	propane	ca. 4,5	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane (containing >= 0.1 % butadiene (203-450-8))	ca. 10,2	Flam. Gas 1, H220 / Press. Gas / Carc. 1A, H350 / Muta. 1B, H340
107-83-5	203-523-4	hexane (containing < 5 % n-hexane (203-777-6))	< 15	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411

**REACH**

CAS No	Name	REACH registration number
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**REACH (continued)**

CAS No	Name	REACH registration number
74-98-6	propane	01-2119486944-21

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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

No special measure necessary.

**In case of eye contact**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**In case of ingestion**

Do not induce vomiting.

Medical treatment.

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

**Physician's information / possible symptoms**

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 powder

Carbon dioxide

Water spray jet

**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 oxides (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 ).

**Additional information**

Cool endangered containers with water spray jet.

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Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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

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

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

Ensure adequate ventilation.  
Use personal protective clothing.  
Keep away sources of ignition.  
Use breathing apparatus if exposed to vapours/dust/aerosol.

### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.  
In case of pollution of waters or sewers, inform the competent authorities.

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

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).  
Clean contaminated objects and floor thoroughly under consideration of environment regulations.

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

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8

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

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

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

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

#### **General protective measures**

Avoid contact with eyes and skin  
Do not inhale aerosols

#### **Hygiene measures**

At work do not eat, drink, smoke or take drugs.  
Remove soiled or soaked clothing immediately.  
Work in rooms with good ventilation.  
Wash hands before breaks and after work.

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking  
Vapours can form an explosive mixture with air.  
Take precautionary measures against static discharges.  
Avoid effect of heat.  
Do not spray against flames or glowing bodies.  
Container is under pressure.

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

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

Keep only in original container.

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**Advice on storage compatibility**

Do not store together with animal feedstuffs.  
Do not store together with food.

**Further information on storage conditions**

Keep container tightly closed and store at cool and aired place.  
Protect from heat and direct solar radiation.  
Recommended storage temperature: room temperature.

**Information on storage stability**

At appropriate storage unlimited stability.

**Storage group** 2B

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

**Recommendation(s) for intended use**

See section 1.2

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

**8.1. Control parameters**

**Additional advice**

The national and local legal regulations are to be observed.

**8.2. Exposure controls**

**Respiratory protection**

If ventilation insufficient, wear respiratory protection.  
Short term: filter apparatus, filter AX

**Eye protection**

tightly fitting goggles

**Other protection measures**

protective clothing

**SECTION 9: Physical and chemical properties**

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

**Appearance**

aerosol

**Colour**

light yellow

**Odour**

characteristic

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	ca. 8				emulsion in water
<b>boiling point</b>	-48 °C				(Propan)
<b>Melting point / Freezing point</b>	not determined				



	Value	Temperature	at	Method	Remark
<b>Flash point</b>	ca. -104 °C				(Propan)
<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 temperature</b>	not determined				
<b>Lower explosion limit</b>	ca. 1,5 Vol-%				(Propan)
<b>Upper explosion limit</b>	10,9 Vol-%				(Propan)
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	ca. 0,775 g/ml	20 °C		1013 hPa	
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>		20 °C		1013 hPa	emulsifiable
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	not determined				

**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**

High temperatures, ignition sources, incompatible materials  
 Formation of explosive gas/air mixtures.

**10.5. Incompatible materials**

**Substances to avoid**

Reactions with strong oxidising agents.

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

**Thermal decomposition**

Method No decomposition if used as directed.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 2000 mg/kg	rat		
<b>Skin irritation</b>	No information available.			
<b>Eye irritation</b>	low irritant			experiences
<b>Skin sensitization</b>	non-sensitizing			experiences
<b>Sensitization respiratory system</b>	no			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Mutagenicity</b>				No information available.
<b>Reproduction-Toxicity</b>				No information available.
<b>Carcinogenicity</b>				No information available.

**Specific target organ toxicity (single exposure)**

No information available.

**Aspiration hazard**

No information available.



**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\*

15 01 04

**Name of waste**

readily biodegradable engine, gear and lubricating oils

metallic packaging

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

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

**! SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	1950	1950	1950
<b>14.2. UN proper shipping name</b>	Druckgaspackungen, entzündbar	Aerosols, flammable	Aerosols, flammable
<b>14.3. Transport hazard class(es)</b>	2.1	2.1	2.1
<b>14.4. Packing group</b>	n.a.	n.a.	n.a.





	ADR/RID	IMDG	IATA-DGR
<b>14.5. Environmental hazards</b>	No	No	No
<b>14.6. Special precautions for user</b> No information available.			
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> No information available.			
<b>Land and inland navigation transport ADR/RID</b> Tunnel restriction code D Classification code 5F			

## SECTION 15: Regulatory information

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

#### National regulations

<b>Water hazard class</b>	1	self-classification slightly hazardous to water
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### 15.2. Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.2

### Sources of key data used

Datasheets of the manufacturer

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H350	May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H411	Toxic to aquatic life with long lasting effects.