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

### 1.1. Product identifier

**Name of product** Läpp- und Polierflüssigkeit WS 410

### 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

#### Product categories [PC]

Polishing agent

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

#### Manufacturer/distributor

joke Technology GmbH  
Asselborner Weg 14-16, D-51249 Bergisch Gladbach  
Phone +49 (0) 22 04 - 839-0, Fax +49 (0) 22 04 - 839-60  
E-Mail info@joke.de  
Internet www.joke.de

#### Advice

Phone +49 (0) 22 04 - 839-60  
E-mail (competent person):  
safety-data-sheet@joke.de

### 1.4. Emergency telephone number

#### Emergency advice

Vergiftungs-I-Z. Freiburg  
Phone Telefon: +49 (0)761 - 19240  
REACH and CLP UK CA Help Desk; Telephone: +44  
171 635 9191

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Hazard statements for physical hazards

No data available

#### Hazard statements for health hazards

No data available

#### Hazard statements for environmental hazards

No data available

### 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].

### 2.2. Label elements

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

#### Hazard statements for physical hazards

No data available



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**Hazard statements for health hazards**

No data available

**Hazard statements for environmental hazards**

No data available

**2.3. Other hazards**

**Adverse human health effects and symptoms**

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

**3.1. Substances**

not applicable

**3.2. Mixtures**

**Description**

An aqueous, neutral mixture of nonionic surfactants and organic acid salts.

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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

If threatening unconsciousness, position and transport in recovery position  
Remove contaminated clothing immediately and dispose it safely.  
In the event of persistent symptoms receive medical treatment.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.

**In case of skin contact**

In case of contact with skin wash off immediately with soap and water.

**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**

Do not induce vomiting.  
Refer to medical treatment.  
Rinse out mouth thoroughly with water.

**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

Alcohol-resistant foam  
Dry powder  
Carbon dioxide

#### Unsuitable extinguishing media

Full water jet

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

Dangerous smoke can arise.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.  
Wear full protective clothing.  
Do not inhale explosion and/or combustion gases.

#### Additional information

Cool endangered containers with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.  
Collect contaminated firefighting water separately, must not be discharged into the drains.

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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.  
Remove persons to safety.  
Use personal protective clothing.  
Keep away sources of ignition.  
Use breathing apparatus if exposed to vapours/dust/aerosol.  
High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

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

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

#### Additional Information

Informations for safe handling see chapter 7.  
Informations for personal protective equipment see chapter 8.  
Informations for disposal see chapter 13.

### 6.4. Reference to other sections

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8  
Emergency telephone number: see section 1



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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid formation of aerosols.

Open and handle container with care!

Provide good room ventilation even at ground level (vapours are heavier than air).

#### General protective measures

Do not inhale dust/fumes/aerosols.

#### Hygiene measures

At work do not eat, drink and smoke.

Work in rooms with good ventilation.

#### Advice on protection against fire and explosion

No special measures necessary.

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

#### 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, store at cool and aired place, open and handle carefully.

Protect from frost.

Protect from heat and direct solar radiation.

### 7.3. Specific end use(s)

No information available.

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## 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

Breathing apparatus in the event of high concentrations.

#### Hand protection

impermeable gloves

#### Eye protection

tightly fitting goggles

#### Other protection measures

protective clothing

#### Limitation and surveillance of the environment

No data available

#### Appropriate engineering controls

ventilation system



## SECTION 9: Physical and chemical properties

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

**Appearance**  
liquid

**Colour**  
yellow

**Odour**  
characteristic

**Odour threshold**  
No data available

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	8,1	20 °C	100 g/l	DIN 51369	
<b>boiling point</b>	100 °C				
<b>Melting point / Freezing point</b>	No data available				
<b>Flash point</b>	not applicable				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	No data available				
<b>Flammability (gas)</b>	No data available				
<b>Ignition temperature</b>	No data available				
<b>Self ignition temperature</b>	No data available				
<b>Lower explosion limit</b>	not applicable				
<b>Upper explosion limit</b>	not applicable				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	1,05 g/cm <sup>3</sup>	15 °C		DIN 51757	
<b>Bulk density</b>	not applicable				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					miscible
<b>Solubility/other</b>	No data available				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not applicable				



	Value	Temperature	at	Method	Remark
<b>Decomposition temperature</b>	No data available				
<b>Viscosity</b>	540 mm <sup>2</sup> /s			DIN 51562	
<b>Solvent separation test</b>	not applicable				
<b>Solvent content</b>	not applicable				
<b>Water content</b>	not determined				
<b>Solids content</b>	not determined				
<b>Combustion value</b>	not applicable				
<b>Sensitiveness to impact</b>	not determined				
<b>Oxidising properties</b> No data available					
<b>Explosive properties</b> No data available					
<b>9.2. Other information</b> No information available.					

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

If product is heated above decomposition temperature toxic vapours may be released.

### 10.2. Chemical stability

Chemical stability

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

#### Substances to avoid

Oxidising agent

### 10.6. Hazardous decomposition products

In case of fire: carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity test (Additional information)

No data available



**Experiences made from practice**

No information available.

**Additional information**

No toxicological data available.

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**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	No data available			
<b>Biological degradability</b>	No data available			
<b>Degradability</b>	No data available			
<b>Biological eliminability</b>	No data available			
<b>Degradability according to WRMG</b>	No data available			

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No data available

**Behaviour in sewage plant**

No data available

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste code No.	Name of waste
12 01 10*	synthetic machining oils

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.



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**Recommendations for packaging**

Uncontaminated packaging may be taken for recycling.

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**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	-	-	-
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-

**14.6. Special precautions for user**

Transport in closed, upright and safe containers. Advice on safe handling: see sections 6 - 8

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

**Land and inland navigation transport ADR/RID**

No dangerous goods as defined by these transport regulations.

**Marine transport IMDG**

No dangerous goods as defined by these transport regulations.

**Air transport ICAO/IATA-DGR**

No dangerous goods as defined by these transport regulations.

**Transport/further information**

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

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**SECTION 15: Regulatory information**

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

**Authorizations**

No data available

**Application restrictions**

No information available.

**Other regulations (EU)**

No information available.

**VOC standard**

**Remark**

No data available

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**National regulations**

**Water hazard class** 1 slightly hazardous to water

**Decree for case of interference/remarks** not applicable

**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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**SECTION 16: Other information**

**Training advice**

no

**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.

**Sources of key data used**

Europäische Chemikalienagentur, <http://echa.europa.eu/>.