



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

1.1. Product identifier

Name of product Läpp- und Polierflüssigkeit WS 310

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

Uses advised against

Sector of uses [SU]

no

Recommended intended purpose(s)

PC 24 lubricant, lubricant and separating agent

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
Internet www.joke.de

Advice

Phone +49 (0) 22 04 / 8 39-0
Fax +49 (0) 22 04 / 8 39-60
E-mail (competent person):
safety-data-sheet@joke.de

1.4. Emergency telephone number

Emergency advice

Vergiftungs-I-Z. Freiburg
Phone +49 (0) 761 / 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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Acute Tox. 4	H302	
STOT RE 2	H373	

Hazard statements for health hazards

H302	Harmful if swallowed.
H373	May cause damage to kidneys through prolonged or repeated exposure by swallowing.

2.2. Label elements

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



GHS07



GHS08

Signal word

Warning

Hazard statements for health hazards

H302 Harmful if swallowed.

H373 May cause damage to kidneys through prolonged or repeated exposure by swallowing.

Precautionary Statements

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

Response

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P330 Rinse mouth.

Disposal

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

Supplemental Hazard information (EU)

Physical properties

not applicable

Environmental properties

not applicable

2.3. Other hazards

Results of PBT and vPvB assessment

not determined

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Description

Mixture of listed substances with harmless additives.

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
107-21-1	203-473-3	ethanediol	95 < 100	Acute Tox. 4, H302



SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If threatening unconsciousness, position and transport in recovery position
Seek medical advice immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
In case of difficulty in breathing, give oxygen.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.
Remove contaminated clothing immediately, even underwear and shoes.

In case of eye contact

Remove contact lenses, if possible
In case of contact with eyes rinse thoroughly with water.
Seek medical advice immediately.

In case of ingestion

Do not induce vomiting.
Observe the aspiration hazard.
Silence.
Seek medical advice immediately.
Rinse out mouth thoroughly with water.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam
Dry 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:

In case of fire formation of harmful smoulder gas that may explode in air.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Inhaling hazardous decomposition products can cause serious health hazards.



5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Additional information

Cool endangered containers with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

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/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, sawdust, general-purpose binder, kieselguhr).

After taking up the material dispose according to regulation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid impact, friction and electrostatically charging; risk of ignition!

Use antistatic tools.

Open and handle container with care!

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

General protective measures

Avoid contact with eyes and skin

Do not inhale dust/fumes/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 and skin before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition

Vapours can form an explosive mixture with air.

The vapours of product are heavier than air.

Take precautionary measures against static discharges.

Wear shoes with conductive soles.



7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.
Ventilate store-rooms thoroughly.

Advice on storage compatibility

Keep at distance to combustile materials.
Do not store together with animal feedstuffs.
Do not store together with food.
Do not store together with oxidizing agents.

Further information on storage conditions

Store closed container at cool and aired place.
Protect from direct solar radiation.
Keep container dry.
Protect from heat/overheating.

Storage group 12

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
107-21-1	ethanediol	8 hours	52	20	skin
		Short-term	104	40	

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

chemical-resistant gloves

Information on glove material [type / type, thickness, permeation time / duration of wetting, wetting strength]: DIN EN 374,> 0,4 mm,> 480 min.

Eye protection

tightly fitting goggles

Other protection measures

flame-stopping and antistatic protective clothing

Limitation and surveillance of the environment

Product related measures to prevent exposure

Take appropriate protective measures to limit or prevent emissions.



	Value	Temperature	at	Method	Remark
Viscosity No information available.	not determined				
Solvent separation test	not determined				
Solvent content	not determined				
Water content	not determined				
Solids content	not determined				
Combustion value	No data available				
Sensitiveness to impact	No data available				
Oxidising properties No data available					
Explosive properties The product is not explosive.					
9.2. Other information No information available.					

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

stable

10.3. Possibility of hazardous reactions

Reactions with strong oxidising agents.

10.4. Conditions to avoid

High temperatures, ignition sources, incompatible materials

10.5. Incompatible materials

Substances to avoid

Reactions with strong alkalies and oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	5840 mg/kg	rat		



	Value/Validation	Species	Method	Remark
LD50 acute dermal	9530 mg/kg	rabbit		
Skin irritation	non-irritant			
Eye irritation	non-irritant			
Skin sensitization	non-sensitizing			
Sensitization respiratory system	not sensitizing			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity				No data available
Subchronic Toxicity				No data available
Chronic Toxicity				No data available
Mutagenicity				No data available
Reproduction-Toxicity				No data available
Carcinogenicity				No data available

Specific target organ toxicity (single exposure)

No information available.

Specific target organ toxicity (repeated exposure)

May cause damage to kidneys through prolonged or repeated exposure if swallowed.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 40761 mg/l (96 h)	Oncorhynchus mykiss		
Daphnia	EC50 4110 mg/l (48 h)	Daphnia magna		

12.2. Persistence and degradability



	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	No data available			
Biological degradability				readily degradable
Degradability	No data available			
Biological eliminability	No data available			
Degradability according to WRMG	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

not determined

12.6. Other adverse effects

not determined

Behaviour in sewage plant

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

15 01 02
 16 05 08*

Name of waste

plastic packaging
 discarded organic chemicals consisting of or containing hazardous substances

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

Recommendations for the product

Must not be disposed together with household garbage.
 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.
 Packaging that cannot be cleaned should be disposed of like the product.

Recommended cleansing agent

water



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

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 information 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.

SECTION 15: Regulatory information

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

National regulations

Restriction of occupation

Observe employment restrictions for young people.

Observe employment restrictions for mothers-to-be and nursing mothers.

Other regulations, restrictions and prohibition regulations

BGR 190 (rules for the use of respiratory protection)

BGR 192 (rules for the use of eye and face protection)

BGR 195 (Rules for the use of protective gloves)

Water hazard class

1 VwVws
slightly hazardous to water

Decree for case of interference/remarks

Accident decree, addendum II: not named.



15.2. Chemical Safety Assessment

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

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

H302 Harmful if swallowed.