



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

1.1. Product identifier

Name of product Läpp- und Polieröl JL5-20 Plus

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)

Coolant - not miscible with water

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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Asp. Tox. 1	H304	
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Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

2.2. Label elements

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



GHS08

Signal word
Danger

Hazard statements for health hazards
H304 May be fatal if swallowed and enters airways.

Precautionary Statements

Response
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.

Storage
P405 Store locked up.

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

Hazardous ingredients for labeling
Kohlenwasserstoffe, C14-C18,n-Alkane, Isoalkane, Cycloalkane, Aromaten (2-30%)

Supplemental Hazard information (EU)

Physical properties
No data available

Health properties
Repeated exposure may cause skin dryness or cracking.

Environmental properties
No data available

2.3. Other hazards

Results of PBT and vPvB assessment

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

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]
	920-360-0	Kohlenwasserstoffe, C14-C18,n-Alkane, Isoalkane, Cycloalkane, Aromaten (2-30%)	25 < 100	Asp. Tox. 1+, H304 / , EUH066

REACH

CAS No	Name	REACH registration number
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REACH (continued)

CAS No	Name	REACH registration number
	Kohlenwasserstoffe, C14-C18,n-Alkane, Isoalkane, Cycloalkane, Aromaten (2-30%)	01-2119448343-41

Additional advice

Highly refined base oil (IP 346 DMSO extract <3%).

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

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

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Dangerous smoke can arise.
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.

For emergency responders

Remove persons to safety.

Use personal protective clothing.

Keep away sources of ignition.

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

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

Do not store with acids or alkalies.
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 10

7.3. Specific end use(s)

No information available.

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

chemical-resistant gloves

Information on glove material [type / type, thickness, permeation time / duration of wetting, wetting strength]: EN 374, NBR (nitrile rubber), 480 min., 0,4 mm

It is recommended to check the chemical resistance of the specified protective gloves for special applications with the glove manufacturer.

Eye protection

safety goggles with side protection

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.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

colourless

Odour

characteristic

Odour threshold

No data available

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not applicable				
boiling range	not determined				
melting point	not determined				
Flash point	> 120 °C			DIN/ISO 2592	
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	0,6 Vol-%				
Upper explosion limit	6,5 Vol-%				
Vapour pressure	< 0,1 hPa	20 °C			
Relative density	0,82 g/cm ³	15 °C		DIN EN ISO 12185	
Bulk density	No data available				
Vapour density	not determined				
Solubility in water					insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity kinematic	3,6 mm ² /s	40 °C			



	Value	Temperature	at	Method	Remark
Viscosity	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	No data available				
9.2. Other information	No information available.				

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

High temperatures, ignition sources, incompatible materials

10.5. Incompatible materials

Substances to avoid

No information available.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 4150 mg/kg	rat		Information concerns to main component.



	Value/Validation	Species	Method	Remark
LD50 acute dermal	> 2000 mg/kg	rabbit		
LC50 acute inhalation	> 5,28 mg/l (4 h)	rat		
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
Subchronic Toxicity				no
Chronic Toxicity				no
Mutagenicity				no
Reproduction-Toxicity				no
Carcinogenicity				no

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	No data available			
Biological degradability	60,7 % (28 d) The product is biodegradable.		OECD 301 F	readily degradable



	Elimination rate	Method of analysis	Method	Validation
Degradability	No data available			
Biological eliminability	No data available			
Degradability according to WRMG	No data available			

12.3. Bioaccumulative potential

Because of the n-octanol/water distribution coefficient (log K o/w) accumulation in organisms is possible.

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

12 01 07*

Name of waste

mineral-based machining oils free of halogens (except emulsions and solutions)

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
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-



	ADR/RID	IMDG	IATA-DGR
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

VOC standard

VOC content 0 %

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 Mixture-WGK
 slightly hazardous to water

Decree for case of interference/remarks No data available

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

EUH066 Repeated exposure may cause skin dryness or cracking.

H304 May be fatal if swallowed and enters airways.