



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

### 1.1. Product identifier

Name of product Ouator A

### 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

#### Recommended intended purpose(s)

Polishing agent for the treatment of metallic surfaces and painted surfaces

#### Effect of the substance / the mixture

No data available

### 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
Flam. Liq. 3	H226	
Skin Sens. 1	H317	
Aquatic Chronic 3	H412	

#### Hazard statements for physical hazards

H226 Flammable liquid and vapour.

#### Hazard statements for health hazards

H317 May cause an allergic skin reaction.

**Hazard statements for environmental hazards**

H412 Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

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



GHS02

**Signal word**

Warning

**Hazard statements for physical hazards**

H226 Flammable liquid and vapour.

**Hazard statements for health hazards**

H317 May cause an allergic skin reaction.

**Hazard statements for environmental hazards**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**General**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

**Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

P240 Ground and bond container and receiving equipment.

P273 Avoid release to the environment.

**Storage**

P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal**

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

**Supplemental Hazard information (EU)**

**Health properties**

Repeated exposure may cause skin dryness or cracking.

**Special rules for supplemental label elements for certain mixtures**

Contains (R) -P-MENTHA-1,8-DIENE. Can cause allergic reactions.

**2.3. Other hazards**

**Adverse human health effects and symptoms**

not determined

**Adverse environmental effects**

not determined

**Other adverse effects**

not determined



**Information pertaining to special dangers for human and environment**  
not determined

**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**

**3.2. Mixtures**

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
64742-48-9	265-150-3	Naphtha (Petroleum) Hydrotreated Heavy	25 < 50	Flam.Liq. 3, H226 / Asp.Tox. 1, H304 / , EUH066
5989-27-5	227-813-5	(R)-P-Mentha-1,8-Diene	0 < 1	Flam.Liq. 3, H226 / Skin Irrit 2, H315 / Skin Sens. 1, H317 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
111-65-9	203-892-1	Octane	0 < 1	Flam.Liq. 2, H225 / Asp.Tox 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
2634-33-5		CONSERVATIVE	0 < 1	Acute Tox. 4, H302 / Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Skin Sens. 1, H317 / Aquatic Acute 1, H400

**REACH**

CAS No	Name	REACH registration number
64742-48-9	Naphtha (Petroleum) Hydrotreated Heavy	01-2119463258-33
5989-27-5	(R)-P-Mentha-1,8-Diene	01-2119529223-47-0010
111-65-9	Octane	01-2119463939-19

**Additional advice**

< 0,1% Benzol (benzene)

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Seek medical advice immediately.  
Keep immobile and cover..

**In case of inhalation**

Ensure of fresh air.  
In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off with soap and water.  
Remove contaminated clothing immediately, even underwear and shoes.  
Consult a doctor if skin irritation persists.

**In case of eye contact**

Eye rinsing with water carefully while protecting unhurt eye.  
Remove contact lenses, if possible  
Refer to medical treatment.

**In case of ingestion**

Do not induce vomiting.  
Refer to medical treatment.



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If swallowed seek medical advice immediately and show the doctor packing or label.

**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)**

No information available.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Fire-extinguishing activities according to surrounding.

Foam

Dry powder

Carbon dioxide

Water spray jet

water mist

**Unsuitable extinguishing media**

Full water jet

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

Dangerous smoke can arise.

In the event of fire the following can be released:

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.

**Additional information**

Cool endangered containers with water spray jet.

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.

**For emergency responders**

Use personal protective clothing.

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### 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).  
After taking up the material dispose according to regulation.

### Additional Information

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

### 6.4. Reference to other sections

No information available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Take measures against electrostatically charging.  
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 gases/vapours/aerosols.

#### Hygiene measures

At work do not eat, drink and smoke.  
Wash soiled clothing immediately.  
Keep away from food and drink.  
Keep away from tobacco.  
Wash hands and skin before breaks and after work.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking  
The product is combustible.  
Vapours can form an explosive mixture with air.  
The vapours of product are heavier than air.

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

#### Requirements for storage rooms and vessels

Keep in closed original container.  
Ventilate store-rooms thoroughly.  
Prevent penetration into the ground.

#### Advice on storage compatibility

Store and transport separate of food.

#### Further information on storage conditions

Store only in closed original container at cool and aired place.  
Protect from direct solar radiation.

#### Information on storage stability

No information available.

### 7.3. Specific end use(s)

No information available.




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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Respiratory protection

Short term: filter apparatus, Filter P2

#### 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

#### Eye protection

safety goggles with side protection

#### Other protection measures

protective clothing

#### Limitation and surveillance of the environment

No data available

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## SECTION 9: Physical and chemical properties

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

#### Appearance

liquid

#### Colour

pink

#### Odour

characteristic

#### Odour threshold

No data available

#### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	No data available				
<b>boiling point</b>	not determined				
<b>melting point</b>	not determined				
<b>Flash point</b>	23 - 55 °C				
<b>Vapourisation rate</b>	not applicable				
<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>	no				



	Value	Temperature	at	Method	Remark
<b>Upper explosion limit</b>	no				
<b>Vapour pressure</b>	> 300 kPa				
<b>Relative density</b>	> 1				
<b>Bulk density</b>	No data available				
<b>Vapour density</b>	not applicable				
<b>Solubility in water</b>					insoluble
<b>Solubility/other</b>	No data available				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	No data available				
<b>Decomposition temperature</b>	No data available				
<b>Viscosity</b>	not applicable				
<b>Solvent separation test</b>	No data available				
<b>Solvent content</b>	No data available				
<b>Water content</b>	No data available				
<b>Solids content</b>	No data available				
<b>Combustion value</b>	No data available				
<b>Sensitiveness to impact</b>	No data available				
<b>Oxidising properties</b>	No data available				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	no				

## SECTION 10: Stability and reactivity

**10.1. Reactivity**  
 No data available



**10.2. Chemical stability**

stable

**10.3. Possibility of hazardous reactions**

Hazardous decomposition products

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

**10.4. Conditions to avoid**

High temperatures, ignition sources, incompatible materials

**10.5. Incompatible materials**

**Substances to avoid**

No data available

**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
<b>LD50 acute oral</b>	No data available			
<b>LD50 acute dermal</b>	No data available			
<b>LC50 acute inhalation</b>	No data available			
<b>Skin irritation</b>	non-irritant			
<b>Eye irritation</b>	non-irritant			
<b>Skin sensitization</b>	non-sensitizing			
<b>Sensitization respiratory system</b>	No data available			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>				No data available
<b>Subchronic Toxicity</b>				No data available
<b>Chronic Toxicity</b>				No data available
<b>Mutagenicity</b>				no





Value	Species	Method	Validation
<b>Reproduction-Toxicity</b>			no
<b>Carcinogenicity</b>			no
<b>Specific target organ toxicity (single exposure)</b> No data available			
<b>Specific target organ toxicity (repeated exposure)</b> No data available			
<b>Aspiration hazard</b> No data available			
<b>Toxicity test (Additional information)</b> No data available			
<b>Experiences made from practice</b> Vapors / aerosols may have an anesthetic effect on the central nervous system when inhaled at a high concentration. Frequent and / or prolonged exposure may cause skin and eye irritation and irritation of the respiratory tract. In case of contact with mucous membranes a anaesthetic effect may occur ( sense of numbness ).			
<b>Additional information</b> No data available			

**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.



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**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**

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Packaging that cannot be cleaned should be disposed of like the product.

Dispose of according to official regulations.

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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>	UN1993	UN1993	UN1993
<b>14.2. UN proper shipping name</b>	ENTZÜNDBARER FLÜSSIGER STOFF, N. A.G. (OKTAN)	FLAMMABLE LIQUID, N.O. S. (OKTAN)	FLAMMABLE LIQUID, N.O.S. (OKTAN)
<b>14.3. Transport hazard class(es)</b>	3	3	3
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	No	No	No

**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**

No information available.

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

Tunnel restriction code D/E

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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 data available



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**Other regulations (EU)**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on the classification, labeling and packaging of substances and mixtures and amending Regulation (EC) No 1907/2006.  
Regulation (EC) No 648/2004 (Detergents regulation).

**National regulations**

**Restriction of occupation**

no

**Other regulations, restrictions and prohibition regulations**

No data available

**Water hazard class**

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No information available.

**15.2. Chemical Safety Assessment**

No data available

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**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: 1.0

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.