

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Wetrok Klar**

Print date: 10.08.2016

Product code: 331

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Wetrok Klar

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**Washing and cleaning products (including solvent based products)  
Restricted to professional users.**1.3. Details of the supplier of the safety data sheet**

Company name:	Wetrok AG	
	Headquarter	
Street:	Steinackerstr. 62	
Place:	CH-8302 Kloten, Switzerland	
Telephone:	+41 (0)43 255 51 51	
e-mail:	chemie@wetrok.ch	
Contact person:	Head Regulatory	Telephone: +41 (0)43 255 53 50
Internet:	www.wetrok.ch	
Responsible Department:	BU Chemicals / Regulatory	
	Mobile + 41 (0)79 657 45 20	
	+41 44 251 51 51 (Tel. 145) (Toxikologisches Zentrum)	

**1.4. Emergency telephone number:****SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: C - Corrosive, Xi - Irritant

R phrases:

Irritating to eyes and skin.

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes serious eye irritation.

Causes skin irritation.

**2.2. Label elements****Hazard components for labelling**Fatty acids, C8-18 and C18 unsaturated  
caustic potash, potassium hydroxide

Signal word: Warning

Pictograms: GHS07

**Hazard statements**

H319 Causes serious eye irritation.

H315 Causes skin irritation.

**Precautionary statements**

P280 Wear eye/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**2.3. Other hazards**

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
	Potassium carbonate	1 - < 5 %
584-08-7	Xn - Harmful, Xi - Irritant R22-36/37/38	
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H302 H315 H319 H335	
266-929-0	Fatty acids, C8-18 and C18 unsaturated	1 - < 5 %
67701-05-7	Xi - Irritant R41	
	Skin Irrit. 2, Eye Dam. 1; H315 H318	
01-2119552480-44		
215-181-3	caustic potash, potassium hydroxide	1 - < 5 %
1310-58-3	C - Corrosive, Xn - Harmful R22-35	
019-002-00-8	Acute Tox. 4, Skin Corr. 1A; H302 H314	
252-104-2	2-(Methoxymethylethoxy)-propanol	1 - < 5 %
34590-94-8		
01-2119450011-60		
232-268-1	Terpineol	1 - < 5 %
8000-41-7	Xi - Irritant R37/38	
	Skin Irrit. 2, STOT SE 3; H315 H335	

Full text of R, H and EUH phrases: see section 16.

#### Further Information

Formation of: Soap

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In all cases of doubt, or when symptoms persist, seek medical advice. If medical advice is needed, have product container or label at hand.

##### After inhalation

Provide fresh air.

##### After contact with skin

After contact with skin, wash immediately with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

##### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists: Get medical advice/attention.

##### After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

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

No known symptoms to date.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. May produce an allergic reaction. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

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

Non-flammable.

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#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

#### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas.

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

The product is not: Combustible.

The product is not: Explosive.

##### Further information on handling

No special handling instructions are necessary.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

##### Advice on storage compatibility

Do not store together with: Acid

##### Further information on storage conditions

Minimum storage temperature: 15°C

Maximum storage temperature: 25°C

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

Washing and cleaning products (including solvent based products)

Restricted to professional users.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
1310-58-3	Potassium hydroxide	-	-		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

#### 8.2. Exposure controls



##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe

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gas/fumes/vapour/spray.

#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Eye/face protection

Suitable eye protection: goggles.

#### Hand protection

Tested protective gloves must be worn DIN EN 374

Recommendation:

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material 0.4 mm Breakthrough time (maximum wearing time) 480 min

Thickness of the glove material 0.11 mm Breakthrough time (maximum wearing time) 30 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	light yellow
Odour:	characteristic

pH-Value:	10.0 -11.0	<b>Test method</b>
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#### Changes in the physical state

Melting point:	not determined
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Initial boiling point and boiling range:	No data available
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Flash point:	No data available
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#### Flammability

Solid:	not applicable
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Gas:	not applicable
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Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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#### Auto-ignition temperature

Solid:	not applicable
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Gas:	not applicable
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Decomposition temperature:	not determined
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#### Oxidizing properties

Not oxidizing.

Vapour pressure:	not determined
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Density:	1.015 - 1.020 g/cm <sup>3</sup>	ASTM D 7777
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Water solubility:	completely miscible
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#### Solubility in other solvents

not determined

Partition coefficient:	not determined
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Viscosity / dynamic:	1280 - 1920 mPa·s
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Vapour density:	not determined
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Evaporation rate:	not determined
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### 9.2. Other information

Solid content:	not determined
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none

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

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The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Acid

#### 10.4. Conditions to avoid

Conditions to avoid: frost. Protect from sunlight.

#### 10.5. Incompatible materials

Acid

#### 10.6. Hazardous decomposition products

The product is chemically stable under recommended conditions of storage, use and temperature.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Method	Dose	Species	Source
584-08-7	Potassium carbonate				
	oral	ATE	500 mg/kg		
1310-58-3	caustic potash, potassium hydroxide				
	oral	LD50	273 mg/kg	Rat	RTECS

##### Irritation and corrosivity

Causes serious eye irritation.

Causes skin irritation.

##### Sensitising effects

Based on available data, the classification criteria are not met.

##### STOT-single exposure

Based on available data, the classification criteria are not met.

##### Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

##### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

##### Aspiration hazard

Based on available data, the classification criteria are not met.

##### Additional information on tests

Classification according to Regulation (EC) No. 1272/2008 [CLP] Calculation method. The product has not been tested.

### SECTION 12: Ecological information

#### 12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
1310-58-3	caustic potash, potassium hydroxide					
	Acute fish toxicity	LC50	80 mg/l	96 h	Gambusia affinis	IUCLID

#### 12.2. Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### 12.4. Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater.

#### 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

There are no data available on the mixture itself.

##### Further information

Avoid release to the environment.

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Classification according to Regulation (EC) No. 1272/2008 [CLP] Calculation method. The product has not been tested.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**Waste disposal number of waste from residues/unused products**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances  
Classified as hazardous waste.

**Waste disposal number of contaminated packaging**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances  
Classified as hazardous waste.

**Contaminated packaging**

Water (with cleaning agent). Completely emptied packages can be recycled.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** No dangerous good in sense of these transport regulations.

**Marine transport (IMDG)**

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

To follow: Regulation (EC) No. 648/2004 (Detergents regulation), 850/2004/EC, 1107/2009/EC, 649/2012/EC.

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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**Relevant R phrases (number and full text)**

- 22 Harmful if swallowed.
- 35 Causes severe burns.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 36/38 Irritating to eyes and skin.
- 37/38 Irritating to respiratory system and skin.
- 41 Risk of serious damage to eyes.

**Relevant H and EUH statements (number and full text)**

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*