

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : SC 3 Compound

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Industrial use  
Grinding agent (includes polishes)

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

OTEC Präzisionsfinish GmbH  
Heinrich-Hertz-Straße 24  
75334 Straubenhardt - Conweiler - Germany  
T +49 (0) 7082 / 491120 - F +49 (0) 7082 / 4911141

##### Email competent person

sds@kft.de

#### 1.4. Emergency telephone number

Emergency number : +49 (0) 7082 / 491120  
(Monday – Friday 07:00 a.m. – 16:30 p.m.)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazard statements (CLP) : H319 - Causes serious eye irritation  
Precautionary statements (CLP) : P280 - Wear eye protection, face protection  
P337+P313 - If eye irritation persists: Get medical advice/attention

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

# SC 3 Compound

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
citric acid	(CAS No) 77-92-9 (EC no) 201-069-1	2.5 - 5	Eye Irrit. 2, H319
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	(CAS No) 68411-30-3 (EC no) 270-115-0 (REACH-no) 01-2119489428-22-xxxx	1 - 2.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : In case of doubt or persistent symptoms, consult always a physician.
- First-aid measures after inhalation : Move to fresh air. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Remove dirty clothes. Wash with plenty of soap and water. If skin irritation persists, take medical advice.
- First-aid measures after eye contact : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse thoroughly and plentifully with water, also under the eyelids. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Spit. Rinse mouth. Drink plenty of water. Do not induce vomiting. If you feel unwell, seek medical advice.

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

- Symptoms/injuries after skin contact : May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Strong water jet.

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

- Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Sulphur oxides.

#### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

### SECTION 6: Accidental release measures

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

- General measures : Use protective clothing. Remove ignition sources. Ensure adequate air ventilation.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, see section 8.

##### 6.1.2. For emergency responders

- Protective equipment : Concerning personal protective equipment to use, see section 8.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

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

- For containment : Collect spillage.
- Methods for cleaning up : Take up liquid spill into absorbent material sand, saw dust, kieselguhr.
- Other information : Shovel into suitable and closed container for disposal.

#### 6.4. Reference to other sections

See Heading 7. See Heading 8. See Heading 13.

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## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from sources of ignition - No smoking. Do not breathe vapours. Avoid aerosolbuilding.
- Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

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

- Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Store in a dry place. Keep away from sources of ignition.
- Maximum storage period : 1 year
- Storage temperature : 5 - 30 °C
- Prohibitions on mixed storage : Keep away from food, drink and animal feeding stuffs.

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

No additional information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station. Wash hands before break and at end of works. Remove contaminated clothing and shoes.

##### Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Butyl rubber. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed

##### Eye protection:

Sealed safety goggles. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

Not necessary with sufficient ventilation. In case of inadequate ventilation wear respiratory protection. High gas/vapour concentration: gas mask with filter type A

##### Other information:

Do not eat, drink or smoke during use. Separate working clothes from town clothes. Launder separately. Apply emollient cream.

### SECTION 9: Physical and chemical properties

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

- Physical state : Liquid
- Colour : light yellow. clear.
- Odour : characteristic.
- Odour threshold : No data available
- pH : ≈ 4.5 (20°C)
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : ≈ 100 °C
- Flash point : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : Not applicable
- Vapour pressure : ≈ 23 hPa (20°C)
- Relative vapour density at 20 °C : No data available
- Relative density : No data available

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according to Regulation (EC) No. 1907/2006 (REACH)

Density	: $\approx 1.01 \text{ g/cm}^3$ (20°C)
Solubility	: Miscible.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available.

### 10.2. Chemical stability

No decomposition if stored normally. Thermal decomposition / conditions to be avoided: Overheating.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Overheating.

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

ATE CLP (oral)	44081.633 mg/kg
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#### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)**

LD50 oral rat	1080 mg/kg OECD 401
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LD50 dermal rat	> 2000 mg/kg OECD 402
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Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH:  $\approx 4.5$  (20°C)

Serious eye damage/irritation : Causes serious eye irritation.  
pH:  $\approx 4.5$  (20°C)

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

## SECTION 12: Ecological information

### 12.1. Toxicity

#### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)**

LC50 fish 1	1.67 mg/l (96h; Lepomis macrochirus)
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NOEC chronic fish	1 mg/l (28d; Lepomis macrochirus; OECD 204)
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### 12.2. Persistence and degradability

Persistence and degradability	No additional information available.
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according to Regulation (EC) No. 1907/2006 (REACH)

Biodegradation	80 - 90 %
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### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

Persistence and degradability	Readily biodegradable.
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#### 12.3. Bioaccumulative potential

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

Log Pow	1.4 23°C
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#### 12.4. Mobility in soil

No additional information available

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

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: European waste catalogue.
European List of Waste (LoW) code	: 07 06 01* - aqueous washing liquids and mother liquors

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

#### 14.6. Special precautions for user

##### - Overland transport

Not applicable

##### - Transport by sea

Not applicable

##### - Air transport

Not applicable

##### - Inland waterway transport

Not applicable

##### - Rail transport

Not applicable

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

# SC 3 Compound

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Indication of changes:

None.

Abbreviations and acronyms:

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LC50	Median lethal concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rai
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
	OSHA (Occupational Safety and Health Administration)

Data sources : Refer to manufacturer's information.

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Germany

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Contact person : Dr. Eugenie Gieser

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Eye Irrit. 2	H319	Calculation method
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KFT SDS EU

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*