

## Safety Data Sheet

according to UK REACH Regulation

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Print date: 13.03.2023

Revision date: 03.03.2023

VKP 100

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

#### 1.1. Product identifier

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

##### Use of the substance/mixture

Metal working fluids

##### Uses advised against

Any non-intended use.

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

Company name:	Meusburger Georg GmbH & Co KG	
Street:	Kesselstrasse 42	
Place:	A-6960 Wolfurt	
Telephone:	+43 5574 6706-0	Telefax: +43 5574 6706-12
e-mail:	office@meusburger.com	
Internet:	www.meusburger.com	
Responsible Department:	Dr. Gans-Eichler Chemieberatung GmbH Otto-Hahn-Str. 36 D-48161 Muenster	e-mail: info@tge-consult.de Tel.: +49 2534 41594-0 www.tge-consult.de

#### 1.4. Emergency telephone number:

Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

#### Further Information

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### SECTION 2: Hazards identification

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

##### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

#### 2.2. Label elements

##### GB CLP Regulation

##### Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

##### Additional advice on labelling

Labelling according to GHS (GB CLP) regulation.: none

#### 2.3. Other hazards

The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to UK REACH.  
This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.  
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

##### Hazardous components

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CAS No EC No REACH No Index No	Chemical name GHS Classification	Quantity
1471316-72-9 939-603-7 01-2119978241-36	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts Skin Sens. 1B; H317	0,1 - < 1 %

Full text of H and EUH statements: see section 16.

### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
1471316-72-9	939-603-7	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	0,1 - < 1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 10000 - < 20000 mg/kg Skin Sens. 1B; H317: >= 10 - 100	

### Further Information

Product does not contain listed SVHC substances > 0.1 % according to UK REACH.

Mineral oil: Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

### 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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Alcohol resistant foam. Atomized water.

##### **Unsuitable extinguishing media**

High power water jet.

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

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

### SECTION 6: Accidental release measures

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

##### **General advice**

Avoid dust formation.

Do not breathe dust.

High slip hazard because of leaking or spilled product.

##### **For non-emergency personnel**

Wear personal protection equipment (refer to section 8).

##### **For emergency responders**

No special measures are necessary.

#### **6.2. Environmental precautions**

Discharge into the environment must be avoided.

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

##### **For containment**

Take up mechanically.

Treat the recovered material as prescribed in the section on waste disposal.

##### **For cleaning up**

Clean contaminated objects and areas thoroughly observing environmental regulations. Clean with detergents.

Avoid solvent cleaners.

#### **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**

Wear personal protection equipment (refer to section 8).

Avoid: aerosol or mist formation

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### Advice on protection against fire and explosion

Usual measures for fire prevention. Dust clouds may present an explosion hazard.

### Advice on general occupational hygiene

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

### Further information on handling

Avoid generation of dust.

General protection and hygiene measures: refer to chapter 8

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

### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

### Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 5 - 40 °C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

Maximum period of storage (time): 3 years.

## 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts			
Worker DNEL, acute		dermal	local	1,04 mg/cm <sup>2</sup>
Consumer DNEL, acute		dermal	local	0,518 mg/cm <sup>2</sup>
Worker DNEL, long-term		inhalation	systemic	35,26 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	25 mg/kg bw/day
Worker DNEL, long-term		dermal	local	1,04 mg/cm <sup>2</sup>
Consumer DNEL, long-term		inhalation	systemic	8,7 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	12,5 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	0,518 mg/cm <sup>2</sup>
Consumer DNEL, long-term		oral	systemic	2,5 mg/kg bw/day

#### PNEC values

CAS No	Substance	Value
	Environmental compartment	

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1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts
Freshwater	0,1 mg/l
Freshwater (intermittent releases)	1 mg/l
Marine water	0,1 mg/l
Freshwater sediment	45211 mg/kg
Marine sediment	45211 mg/kg
Micro-organisms in sewage treatment plants (STP)	1000 mg/l
Soil	36739,74 mg/kg

### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls

#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Dust should be exhausted directly at the point of origin.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye/face protection.

##### Hand protection

In case of prolonged or frequently repeated skin contact:

Wear suitable gloves.

Suitable material:

NBR (Nitrile rubber). - Thickness of glove material:  $\geq 0,9 - 1 \text{ mm}$

Breakthrough time  $\geq 8 \text{ h}$

The selected protective gloves have to satisfy the specifications of the Personal Protective Equipment at Work (Amendment) Regulations 2022 and the standard EN ISO 374.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

##### Skin protection

Suitable protective clothing: Protective clothing.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and Generation/formation of dust

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

##### Thermal hazards

Material handled at elevated temperature may cause thermal burns by contact with molten product.

##### Environmental exposure controls

No special precautionary measures are necessary.

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### SECTION 9: Physical and chemical properties

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

Physical state:	Paste
Colour:	brown
Odour:	characteristic
Odour threshold:	not determined

#### Test method

Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	not determined	
Flammability:	not determined	
Lower explosion limits:	not relevant	
Upper explosion limits:	not relevant	
Flash point:	250 °C	DIN ISO 2592
Auto-ignition temperature:	320 °C	ASTM E 659
Decomposition temperature:	not determined	
pH-Value:	not determined	
Viscosity / kinematic:	not relevant	
Water solubility:	insoluble	
Solubility in other solvents not determined		
Dissolution rate:	not relevant	
Partition coefficient n-octanol/water:	SECTION 12: Ecological information	
Dispersion stability:	not relevant	
Vapour pressure:	not determined	
Density (at 20 °C):	1 g/cm <sup>3</sup>	DIN EN ISO 12185
Bulk density:	not determined	
Relative vapour density:	not relevant	
Particle characteristics:	not determined	

#### 9.2. Other information

##### Information with regard to physical hazard classes

##### Explosive properties

Dust clouds may present an explosion hazard.

Sustaining combustion:

No data available

Self-ignition temperature

Solid:

not determined

Gas:

not relevant

Oxidizing properties

none

##### Other safety characteristics

Evaporation rate:

not applicable

Solvent separation test:

not applicable

Solvent content:

not determined

Solid content:

not determined

Sublimation point:

not determined

Softening point:

not determined

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Pour point:	not determined
Viscosity / dynamic:	not determined
Flow time:	not applicable

### Further Information

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.  
Refer to chapter 10.5.

### 10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

### 10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Strong acid

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Toxicokinetics, metabolism and distribution

No data available.

#### Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts				
	oral	LD50 > 10000 - < 20000 mg/kg	Rat	ECHA dossier	Adult albino male Sprague-Dawley rats
	dermal	LD50 > 2000 mg/kg	Rat	ECHA dossier	OECD 402

#### Irritation and corrosivity

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

#### Sensitising effects

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

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts:  
Specific concentration limit (SCL): Skin Sens. 1B:  $\geq 10 - 100\%$

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### Carcinogenic/mutagenic/toxic effects for reproduction

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

### STOT-single exposure

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

### STOT-repeated exposure

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

### Aspiration hazard

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

### Specific effects in experiment on an animal

No data available.

## 11.2. Information on other hazards

### Endocrine disrupting properties

This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts					
	Acute fish toxicity	LL50 > 100 mg/l	96 h	Oncorhynchus mykiss	ECHA dossier	OECD 203
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Raphidocelis subcapitata	ECHA dossier	EPA OTS 797.1050
	Acute crustacea toxicity	EL50 > 1000 mg/l	48 h	Daphnia magna	ECHA dossier	EPA OTS 797.1300
	Acute bacteria toxicity	(EC50 > 10000 mg/l)	3 h	activated sludge of a predominantly domestic sewage	ECHA dossier	OECD 209

### 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts				
	OECD 301D / EEC 92/69 annex V, C.4-E	8 %	28	ECHA dossier	
	Not readily biodegradable (according to OECD criteria)				

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water



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CAS No	Chemical name	Log Pow
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	> 6,91

### BCF

CAS No	Chemical name	BCF	Species	Source
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	0,893	Fish, not further specified.	ECHA dossier

### 12.4. Mobility in soil

in delivery condition: viscous

### 12.5. Results of PBT and vPvB assessment

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

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

### 12.7. Other adverse effects

No data available.

### Further information

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

#### List of Wastes Code - residues/unused products

120199 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; wastes not otherwise specified

#### List of Wastes Code - used product

120199 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; wastes not otherwise specified

#### List of Wastes Code - contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

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### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

#### **14.6. Special precautions for user**

Refer to section 6 - 8

#### **14.7. Maritime transport in bulk according to IMO instruments**

not relevant

### SECTION 15: Regulatory information

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

##### EU regulatory information

2010/75/EU (VOC):	not determined
2004/42/EC (VOC):	not determined
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

##### Additional information

Safety Data Sheet according to UK-REACH Regulation  
 This mixture is classified as not hazardous according to GHS (GB CLP).  
 UK REACH Appendix XVII, No (mixture): not relevant

##### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

#### **15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

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

- Rev. 1,0; Initial release 09.05.2018
- Rev. 2,0; Revision 06.04.2020 Changes in chapter: 2-16
- Rev. 3,0; Revision 10.02.2021 Changes in chapter: 2-16
- Rev. 4,0; Revision 03.03.2023 Changes in chapter: 1-16

**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)
- CAS: Chemical Abstracts Service
- CLP: Classification, Labeling, Packaging
- DNEL: Derived No Effect Level
- d: day(s)
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- ECHA: European Chemicals Agency
- ECOSAR: Ecological Structure Activity Relationships
- EWG: European Waste Catalogue
- IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
- OECD: Organisation for Economic Co-operation and Development
- PNEC: Predicted No Effect Concentration
- PBT: Persistent, bio-cumulative, toxic
- QSAR: Quantitative Structure-Activity Relationship
- RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
- SVHC: Substance of Very High Concern
- TRGS: Technische Regeln für Gefahrstoffe
- UN: United Nations
- vPvB: very persistent and very bio-cumulative
- VOC: Volatile Organic Compounds
- w: week(s)

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

- H317 May cause an allergic skin reaction.
- EUH210 Safety data sheet available on request.

**Further Information**

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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.)*