

# Safety Data Sheet

## LGWM 2

Replaces date: 07/06/2022

Revision date: 07/07/2023

Version: 2.6.0

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

#### 1.1. Product identifier

**Trade name:** LGWM 2

**Unique Formula Identifier (UFI):** VHF7-S3A5-N00C-YESE

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

**Recommended uses:** Lubricant.

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

##### Supplier

**Company:** SKF MPT  
**Address:** Meidoornkade 14  
**Zip code:** 3992 AE  
**City:** AE Houten  
**Country:** NETHERLANDS (KINGDOM OF THE)  
**E-mail:** support.mpt@skf.com  
**Phone:** +31 30 6307200  
**Homepage:** www.skf.com

#### 1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

### SECTION 2: Hazards identification

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

**CLP-classification:** Eye Irrit. 2;H319

**Most serious harmful effects:** Causes serious eye irritation.

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### 2.2. Label elements

#### Pictograms



**Signal word:** Warning

#### Contains

**Substance:** Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts;

#### Hazard Statements

H319 Causes serious eye irritation.

#### Precautionary statements

P280 Wear eye protection.

#### Supplemental information

EUH208 Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, C14-16-18 Alkyl Phenol. May produce an allergic reaction.

### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.  
Endocrine disrupting properties: None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6 271-529-4 01-2119492627-25	≤ 10 %		Skin Sens. 1B;H317  C ≥ 10%: Skin Sens. 1B;H317 LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 4000 mg/kg bw LC50 (dust/mist) (Acute toxicity - inhalation): > 1.9 mg/l
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0 274-263-7 01-2119492616-28	≤ 5 %		Skin Sens. 1B;H317  LC50 (dust/mist) (Acute toxicity - inhalation): > 1.9 mg/l LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 5000 mg/kg bw
Sulfonic acids, petroleum, calcium salts	61789-86-4 263-093-9 01-2119488992-18	≤ 5 %		Skin Sens. 1;H317  C ≥ 10%: Skin Sens. 1;H317 LD50 (Acute toxicity - oral): > 16000 mg/kg bw LD50 (Acute toxicity - dermal): > 4000 mg/kg bw LC50 (dust/mist) (Acute toxicity - inhalation): > 1.9 mg/l

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Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts	1335202-81-7 932-231-6 01-2119560592-37	< 3 %		Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Chronic 3;H412  LD50 (Acute toxicity - oral): 4445 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1 270-128-1 01-2119491299-23	≤ 1 %		Repr. 2;H361f  LD50 (Acute toxicity - oral): > 5000 mg/kg bw
C14-16-18 Alkyl Phenol	1190625-94-5 931-468-2 01-2119498288-19	≤ 0.3 %		Skin Sens. 1B;H317 STOT RE 2;H373  LD50 (Acute toxicity - oral): > 2000 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw

Please see section 16 for the full text of H- / EUH-phrases.

**Ingredient comments:** The mineral oils in the product contain <3% DMSO extract(IP 346).

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air. Seek medical advice in case of persistent discomfort.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
<b>Eye contact:</b>	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
<b>General:</b>	When obtaining medical advice, show the safety data sheet or label.

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

Irritating to eyes. Causes a burning sensation and tearing. The product contains small amounts of Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, C14-16-18 Alkyl Phenol. Persons with a known allergy may exhibit an allergic response to the product.

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

Treat symptoms. No special immediate treatment required.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.
<b>Unsuitable extinguishing media:</b>	Do not use water stream, as it may spread the fire.

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

Not flammable, but combustible. The product decomposes when combusted and the following toxic gases can be formed:

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Carbon monoxide and carbon dioxide/ Sulphur oxides/ Nitrous gases.

### 5.3. Advice for firefighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel:** Stay upwind/keep distance from source. Wear safety goggles. Wear gloves. Wear respiratory protective equipment.

**For emergency responders:** In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

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

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

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

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Store in a cool, dry place. Avoid direct sunlight.

### 7.3. Specific end use(s)

None.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limit:** Contains no substances subject to reporting requirements.

**Measuring methods:** Compliance with occupational exposure limits may be checked by occupational hygiene measurements.

**Legal basis:** EH40/2005 Workplace exposure limits. Last amended January 2020.

### PNEC

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Exposure	Value	Assessment Factor	Extrapolation Method	Note
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PNEC aqua (freshwater)	1 mg/l			
PNEC aqua (marine water)	1 mg/l			
PNEC sediment (freshwater)	226000000 mg/kg dw			
PNEC sediment (marine water)	226000000 mg/kg dw			
PNEC soil	868700000 mg/kg dw			
PNEC STP (wastewater-treatment facilities)	100 mg/l			
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	1 mg/l			
PNEC aqua (marine water)	1 mg/l			
PNEC sediment (freshwater)	226000000 mg/kg dw			
PNEC sediment (marine water)	226000000 mg/kg dw			
PNEC soil	271000000 mg/kg dw			
PNEC STP (wastewater-treatment facilities)	100 mg/l			
Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	1 mg/l			
PNEC aqua (marine water)	1 mg/l			
PNEC sediment (freshwater)	226000000 mg/kg dw			
PNEC sediment (marine water)	226000000 mg/kg dw			
PNEC soil	271000000 mg/kg dw			
PNEC STP (wastewater-treatment facilities)	1000 mg/l			
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	23 µg/l			
PNEC aqua (marine water)	2,3 µg/l			
PNEC STP (wastewater-treatment facilities)	3 mg/l			
PNEC sediment (freshwater)	174 µg/kg dw			
PNEC sediment (marine water)	17,4 µg/kg dw			
PNEC soil	620 µg/kg dw			
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (marine water)	3,38 µg/l			

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PNEC sediment (freshwater)	446 µg/kg dw			
PNEC sediment (marine water)	44,6 µg/kg dw			
PNEC soil	1,76 mg/kg			
PNEC aqua (freshwater)	33,8 µg/l			
C14-16-18 Alkyl Phenol, cas-no 1190625-94-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0,100 mg/l			
PNEC aqua (marine water)	0,010 mg/l			
PNEC sediment (freshwater)	4266,16 mg/kg dw			
PNEC sediment (marine water)	426,62 mg/kg dw			
PNEC soil	852,58 mg/kg dw			
PNEC STP (wastewater-treatment facilities)	100 mg/l			

#### DNEL - workers

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	3,33 mg/kg bw/day				
Dermal DNEL (long-term exposure - local effects)	1,03 mg/cm <sup>2</sup>				
Inhalation DNEL (long-term exposure - systemic effects)	11,75 mg/m <sup>3</sup>				
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	3,33 mg/kg				
Dermal DNEL (long-term exposure - local effects)	1,03 mg/cm <sup>2</sup>				
Inhalation DNEL (long-term exposure - systemic effects)	11,75 mg/m <sup>3</sup>				
Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	3,33 mg/kg				
Dermal DNEL (long-term exposure - local effects)	1,03 mg/cm <sup>2</sup>				

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Inhalation DNEL (long-term exposure - systemic effects)	11,75 mg/m <sup>3</sup>				
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	1,7 mg/kg bw/day				
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	0,08 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	0,6 mg/m <sup>3</sup>				
C14-16-18 Alkyl Phenol, cas-no 1190625-94-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	1,17 mg/m <sup>3</sup>				
Dermal DNEL (long-term exposure - systemic effects)	0,30 mg/kg bw/day				

#### DNEL - general population

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral DNEL (long-term exposure - systemic effects)	0,8333 mg/kg bw/day				
Dermal DNEL (long-term exposure - local effects)	0,513 mg/cm <sup>2</sup>				
Dermal DNEL (long-term exposure - systemic effects)	1,667 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	2,9 mg/m <sup>3</sup>				
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	1,667 mg/kg bw/day				
Oral DNEL (long-term exposure - systemic effects)	0,8333 mg/kg bw/day				

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Dermal DNEL (long-term exposure - local effects)	0,513 mg/cm <sup>2</sup>				
Inhalation DNEL (long-term exposure - systemic effects)	2,9 mg/m <sup>3</sup>				
Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral DNEL (long-term exposure - systemic effects)	0,8333 mg/kg				
Dermal DNEL (long-term exposure - systemic effects)	1,667 mg/kg				
Inhalation DNEL (long-term exposure - systemic effects)	2,9 mg/m <sup>3</sup>				
Dermal DNEL (long-term exposure - local effects)	0,513 mg/cm <sup>2</sup>				
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	85 mg/kg bw/day				
Oral DNEL (acute/short-term exposure - systemic effects)	89 mg/kg bw/day				
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral DNEL (long-term exposure - systemic effects)	0,04 mg/kg bw/day				
Dermal DNEL (long-term exposure - systemic effects)	0,04 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	0,14 mg/m <sup>3</sup>				

### 8.2. Exposure controls

**Appropriate engineering controls:**

Use the product under well-ventilated conditions. Wear the personal protective equipment specified below.

**Personal protective equipment, eye/face protection:**

Wear safety goggles. Eye protection must conform to EN 166.

**Personal protective equipment, hand protection:**

In the event of direct skin contact, wear protective gloves: Type of material: Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.



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Gloves must conform to EN 374.

**Personal protective equipment, respiratory protection:** Light use (small volume, shortterm contact (below 10 min.)): Not required.  
 Medium use (medium volume, medium contact (1-2 hours)): Wear respiratory protective equipment. Filter type: A P. Respiratory protection must conform to one of the following standards: EN 136/140/145.

**Environmental exposure controls:** Ensure compliance with local regulations for emissions.

### SECTION 9: Physical and chemical properties

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

Parameter	Value/unit
State	Fat.
Colour	Brown
Odour	Characteristic
Solubility	Insoluble in the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	> 300 °C	(DIN ISO 3016)
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	No data	
Auto-ignition temperature	No data	
Decomposition temperature	> 300 °C	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	> 3.5	
Vapour pressure	No data	
Density	0.9 g/cm <sup>3</sup>	(20 °C) (ASTM D 4052)
Relative density	0.9	(ASTM D 4052)
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

#### 9.2. Other information

**Other Information:** None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No known data.

#### 10.2. Chemical stability

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The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid direct sunlight.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide/ Sulphur oxides/ Nitrous gases.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity - oral

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw		OECD 401	

##### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw		OECD 401	

##### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 16000 mg/kg bw			

##### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		4445 mg/kg bw			

##### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw			

##### C14-16-18 Alkyl Phenol, cas-no 1190625-94-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw			

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - dermal

##### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 4000 mg/kg bw		OECD 402	

##### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source

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Rabbit	LD50		> 5000 mg/kg bw		OECD 402	
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### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 4000 mg/kg bw			

### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw		OECD 402	

### C14-16-18 Alkyl Phenol, cas-no 1190625-94-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

## Acute toxicity - inhalation

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE (mix)		41.30 mg/l			

### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 1.9 mg/l		EPA OPP 81-3	

### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 1.9 mg/l		EPA OPP 81-3	

### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 1.9 mg/l		EPA OPP 81-3	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

## Skin corrosion/irritation

### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit		4 h	0.3		EPA OPPTS 870.2500	

### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit		4 h	2.7		OECD 404	

May irritate the skin - may cause reddening. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

## Serious eye damage/eye irritation

### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit			0		EPA	

### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit			1		OECD 405	

Irritating to eyes. Causes a burning sensation and tearing.

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### Respiratory sensitisation or skin sensitisation

#### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Human				Skin sensitisation		

#### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse				Skin sensitisation		

#### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Skin sensitisation		

#### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Non-sensitising		

According to tests, the product need not be classified. The product contains small amounts of Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, C14-16-18 Alkyl Phenol. Persons with a known allergy may exhibit an allergic response to the product.

### Germ cell mutagenicity

#### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mammalian cells.	In vivo			No mutagenic effects observed.	OECD 474	
Bacteria	In vitro			No mutagenic effects observed.	OECD 471	
Mammalian cells.	In vitro			No mutagenic effects observed.	OECD 476	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

**Carcinogenic properties:** The product does not have to be classified. Test data are not available.

### Reproductive toxicity

#### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	Oral.			No indications.		

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

**Single STOT exposure:** The product does not have to be classified. Test data are not available.

**Repeated STOT exposure:** The product does not have to be classified. Test data are not available.

**Aspiration hazard:** The product does not have to be classified. Test data are not available.

### 11.2. Information on other hazards

**Endocrine disrupting properties:** None known.

**Other toxicological effects:** None known.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

##### **Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6**

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchne riella subcapitata		72hEC10	> 1000 mg/l		OECD 201	
Crustacea	Daphnia magna		48hEC50	> 1000 mg/l		OECD 202	
Fish	Cyprinodon variegatus		96hLC50	> 1000 mg/l		OECD 203	
Algae	Pseudokirchne riella subcapitata		72hEC50	> 1000 mg/l		OECD 201	

##### **Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0**

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchne riella subcapitata		72hEC10	> 1000 mg/l		OECD 201	
Algae	Pseudokirchne riella subcapitata		72hEC50	> 1000 mg/l		OECD 201	
Crustacea	Daphnia magna		48hEC50	> 1000 mg/l		OECD 202	
Fish	Cyprinodon variegatus		96hLC50	> 1000 mg/l		OECD 203	

##### **Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4**

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchne riella subcapitata		72hEC10	> 1000 mg/l		OECD 201	
Algae	Pseudokirchne riella subcapitata		72hEC50	> 1000 mg/l		OECD 201	
Crustacea	Daphnia magna		48hEC50	> 1000 mg/l		OECD 202	
Fish	Cyprinodon variegatus		96hLC50	> 1000 mg/l		OECD 203	

##### **Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7**

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchne riella subcapitata		96hEC50	29 mg/l		STDMETH, ASTM, USEPA	
Algae	Pseudokirchne riella subcapitata		96hNOEC	0.5 mg/l		STDMETH, ASTM, USEPA	
Crustacea	Daphnia magna		48hEC50	2.9 mg/l		OECD 202	
Fish	Lepomis macrochirus		96hLC50	1.67 mg/l		STDMETH, ASTM, USEPA	

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Crustacea	Daphnia magna		48hNOEC	0.379 mg/l		OECD 211	
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### C14-16-18 Alkyl Phenol, cas-no 1190625-94-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna		48hEC50	> 100 mg/l		OECD 202	

The product contains small quantities of environmentally hazardous substances. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

## 12.2. Persistence and degradability

### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Activated sludge	28 d		0 %	Not readily biodegradable.	OECD 301 D	

### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, cas-no 70024-69-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Activated sludge	28 d		0 %	Not readily biodegradable.	OECD 301 D	

### Sulfonic acids, petroleum, calcium salts, cas-no 61789-86-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Activated sludge	28 d		0 %	Not readily biodegradable.	OECD 301 D	

### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Activated sludge	28 d		> 90 %	Readily biodegradable.	OECD 301 B	

### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

The product contains at least one substance that is not biodegradable.  
The product contains at least one biodegradable substance.

## 12.3. Bioaccumulative potential

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Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	> 3.5			

### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, cas-no 68584-23-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	22			

### Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	2.9			

### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	5.1			
			BCF	1730			

The product contains at least one substance that is bioaccumulative in organisms.

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### 12.4. Mobility in soil

Not expected to be mobile in soil. Test data are not available.

### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

### 12.6. Endocrine disrupting properties

None known.

### 12.7. Other adverse effects

Oil products may cause soil and water pollution.

German water pollution classification (WGK): 1

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

**Category of waste:** EWC code: Depends on line of business and use, for instance 12 01 12\* spent waxes and fats

Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

## SECTION 14: Transport information

**14.1. UN number or ID number:** Not applicable.

**14.4. Packing group:** Not applicable.

**14.2. UN proper shipping name:** Not applicable.

**14.5. Environmental hazards:** Not applicable.

**14.3. Transport hazard class(es):** Not applicable.

### 14.6. Special precautions for user

None.

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

Not applicable.

**Other Information:** The product is not covered by the rules for transport of dangerous goods.

## SECTION 15: Regulatory information

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

**Special Provisions:** None.

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### 15.2. Chemical Safety Assessment

REACH Reg. No.	Substance name
01-2119488992-18	Sulfonic acids, petroleum, calcium salts
01-2119491299-23	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
01-2119492616-28	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
01-2119492627-25	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
01-2119498288-19	C14-16-18 Alkyl Phenol
01-2119560592-37	Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts

### SECTION 16: Other information

#### Version history and indication of changes

Version	Revision date	Responsible	Changes
2.6.0	07/07/2023	Bureau Veritas HSE/ SRU	2,3,4,7,8,9,10,11,12,13,15,16

**Abbreviations:**

PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: Very Persistent and Very Bioaccumulative  
 STOT: Specific Target Organ Toxicity

**Other Information:**

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

**Training advice:**

A thorough knowledge of this safety data sheet should be a prerequisite condition.

**Classification method:**

Calculation based on the hazards of the known components. Test data.

**List of relevant H-statements**

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

**List of relevant EUH-statements**

- EUH208 Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, C14-16-18 Alkyl Phenol. May produce an allergic reaction.

**Country:**

GB