

# EU safety data sheet

**Trade name:** KRONES celerol L 7003

**Current version :** 2.0.0, issued: 05.02.2024

**Replaced version:** 1.0.6, issued: 04.08.2023

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**KRONES celerol L 7003**

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

**Relevant identified uses of the substance or mixture**

Lubricant

**Uses advised against**

No data available.

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

**Address**

KIC KRONES Internationale Cooperationsgesellschaft mbH  
Böhmerwaldstraße 5  
93073 Neutraubling

Telephone no. +49 9401 70-3020

e-mail kic@kic-krones.com

**Advice on Safety Data Sheet**

sdb\_info@umco.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Irrit. 2; H319

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

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

**Hazard pictograms**



GHS07

**Signal word**

Warning

**Hazard statement(s)**

H319

Causes serious eye irritation.

**Hazard statements (EU)**

EUH208

Contains Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. May produce an allergic reaction.

**Precautionary statement(s)**

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Replaced version: 1.0.6, issued: 04.08.2023

Region: GB

P264 Wash skin thoroughly after handling.  
 P280 Wear eye protection/face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.

## 2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

Hazardous ingredients

No	Substance name	Classification (EC) 1272/2008 (CLP)	Additional information	Concentration	%
1	<b>Sulfonic acids, petroleum, calcium salts</b>				
	61789-86-4 263-093-9 - 01-2119488992-18	Skin Sens. 1B; H317	>=	5.00 - < 10.00	wt%
2	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>				
	68584-23-6 271-529-4 - 01-2119492627-25	Skin Sens. 1B; H317	>=	5.00 - < 10.00	wt%
3	<b>Calcium-dodecylbenzenesulphonate</b>				
	26264-06-2 247-557-8 - 01-2120122335-68	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 4; H413	<	2.50	wt%
4	<b>bis(nonylphenyl)amine</b>				
	36878-20-3 253-249-4 - 01-2119488911-28	Aquatic Chronic 4; H413	<	2.50	wt%
5	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>				
	68411-46-1 270-128-1 - 01-2119491299-23	Aquatic Chronic 3; H412	<	2.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Skin Sens. 1B; H317: C >= 10%	-	-
2	-	Skin Sens. 1B; H317: C >= 10%	-	-

#### Acute toxicity estimate (ATE) values

No	oral	dermal	inhalative
1			2 mg/l
2			2 mg/l
3	1300 mg/kg bodyweight		

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

#### After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. In case of persisting adverse effects consult a physician.

#### After skin contact

When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

#### After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice.

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

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray jet; Water mist; Alcohol-resistant foam; Dry chemical extinguisher; Carbon dioxide

#### Unsuitable extinguishing media

High power water jet

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

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide; Metal oxides; Nitrogen oxides (NO<sub>x</sub>); Sulphur oxides (S<sub>x</sub>O<sub>y</sub>)

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Do not inhale explosion and/or combustion byproducts.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Remove persons to safety. Do not inhale vapours.

#### For emergency responders

Personal protective equipment (PPE) - see section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. In case of entry into waterways, soil or drains, inform the responsible authorities.

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

Collect mechanically. When collected, handle material as described under the section heading "Disposal considerations".

### 6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

# EU safety data sheet

Trade name: KRONES celerol L 7003

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale dust. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

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

#### Technical measures and storage conditions

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

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

#### Incompatible products

Substances to be avoided, see section 10.

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>Sulfonic acids, petroleum, calcium salts</b>			<b>61789-86-4</b> <b>263-093-9</b>	
	dermal	Long term (chronic)	systemic	3.33	mg/kg bw/day
	dermal	Long term (chronic)	local	1.03	mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	11.75	mg/m <sup>3</sup>
2	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>			<b>68584-23-6</b> <b>271-529-4</b>	
	dermal	Long term (chronic)	systemic	3.33	mg/kg bw/day
	dermal	Long term (chronic)	local	1.03	mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	11.75	mg/m <sup>3</sup>
3	<b>Calcium-dodecylbenzenesulphonate</b>			<b>26264-06-2</b> <b>247-557-8</b>	
	dermal	Long term (chronic)	systemic	57.20	mg/kg/day
	dermal	Short term (acut)	systemic	80.00	mg/kg/day
	dermal	Long term (chronic)	local	1.57	mg/cm <sup>2</sup>
	dermal	Short term (acut)	local	1.57	mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	52.00	mg/m <sup>3</sup>
	inhalative	Short term (acut)	systemic	52.00	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	52.00	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	52.00	mg/m <sup>3</sup>
	4	<b>bis(nonylphenyl)amine</b>			<b>36878-20-3</b> <b>253-249-4</b>
dermal		Long term (chronic)	systemic	0.62	mg/kg/day
inhalative		Long term (chronic)	systemic	4.37	mg/m <sup>3</sup>

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Trade name: KRONES celerol L 7003

Current version : 2.0.0, issued: 05.02.2024

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Region: GB

5	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>			<b>68411-46-1</b> <b>270-128-1</b>
	dermal	Long term (chronic)	systemic	0.44 mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0.31 mg/m <sup>3</sup>

## DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>Sulfonic acids, petroleum, calcium salts</b>			<b>61789-86-4</b> <b>263-093-9</b>	
	oral	Long term (chronic)	systemic	0.833	mg/kg bw/day
	dermal	Long term (chronic)	systemic	1.667	mg/kg bw/day
	dermal	Long term (chronic)	local	0.513	mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	2.90	mg/m <sup>3</sup>
2	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>			<b>68584-23-6</b> <b>271-529-4</b>	
	oral	Long term (chronic)	systemic	0.833	mg/kg bw/day
	dermal	Long term (chronic)	systemic	1.667	mg/kg bw/day
	dermal	Long term (chronic)	local	0.513	mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	2.9	mg/m <sup>3</sup>
3	<b>Calcium-dodecylbenzenesulphonate</b>			<b>26264-06-2</b> <b>247-557-8</b>	
	oral	Long term (chronic)	systemic	13.00	mg/kg/day
	oral	Short term (acute)	systemic	13.00	mg/kg/day
	dermal	Long term (chronic)	systemic	28.60	mg/kg/day
	dermal	Short term (acute)	systemic	40.00	mg/kg/day
	dermal	Long term (chronic)	local	0.787	mg/cm <sup>2</sup>
	dermal	Short term (acute)	local	0.787	mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	26.00	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	26.00	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	26.00	mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	26.00	mg/m <sup>3</sup>
4	<b>bis(nonylphenyl)amine</b>			<b>36878-20-3</b> <b>253-249-4</b>	
	oral	Long term (chronic)	systemic	0.31	mg/kg
	dermal	Long term (chronic)	systemic	0.31	mg/kg
	inhalative	Long term (chronic)	systemic	1.09	mg/m <sup>3</sup>
5	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>			<b>68411-46-1</b> <b>270-128-1</b>	
	oral	Long term (chronic)	systemic	0.05	mg/kg bw/day
	dermal	Long term (chronic)	systemic	0.22	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0.08	mg/m <sup>3</sup>

## PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	<b>Sulfonic acids, petroleum, calcium salts</b>		<b>61789-86-4</b> <b>263-093-9</b>	
	water	fresh water	1.00	mg/L
	water	marine water	1.00	mg/L
	water	fresh water sediment	226000000	mg/kg
	with reference to: dry weight			
	water	marine water sediment	226000000	mg/kg
	with reference to: dry weight			
	soil	-	271000000	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	1000.00	mg/L
	secondary poisoning	-	16.667	mg/kg
	with reference to: food			
2	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>		<b>68584-23-6</b> <b>271-529-4</b>	
	water	fresh water	1	mg/L

# EU safety data sheet

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**Current version :** 2.0.0, issued: 05.02.2024

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**Region:** GB

	water	marine water	1	mg/L
	water	fresh water sediment	226000	g/kg
	with reference to: dry weight			
	water	marine water sediment	226000	g/kg
	with reference to: dry weight			
	soil	-	271000	g/kg
	with reference to: dry weight			
	sewage treatment plant	-	1000	mg/L
	secondary poisoning	-	16.667	mg/kg food
3	<b>Calcium-dodecylbenzenesulphonate</b>		<b>26264-06-2 247-557-8</b>	
	water	fresh water	0.28	mg/L
	water	marine water	0.458	mg/L
	water	fresh water sediment	27.5	mg/kg
	with reference to: dry weight			
	water	marine water sediment	2.75	mg/kg
	with reference to: dry weight			
	soil	-	25.00	mg/kg
	with reference to: dry weight			
	air	-	10.00	mg/m <sup>3</sup>
	sewage treatment plant	-	50.00	mg/L
	secondary poisoning	-	20.00	mg/kg
	with reference to: food			
4	<b>bis(nonylphenyl)amine</b>		<b>36878-20-3 253-249-4</b>	
	water	fresh water	0.10	mg/L
	water	marine water	0.01	mg/L
	water	fresh water sediment	132000.00	mg/kg
	with reference to: dry weight			
	water	marine water sediment	13200.00	mg/kg
	with reference to: dry weight			
	water	Aqua intermittent	1.00	mg/L
	soil	-	263000.00	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	1.00	mg/L
5	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>		<b>68411-46-1 270-128-1</b>	
	water	fresh water	0.034	mg/L
	water	marine water	0.003	mg/L
	water	fresh water sediment	0.446	mg/kg
	with reference to: dry weight			
	water	marine water sediment	0.045	mg/kg
	with reference to: dry weight			
	soil	-	17.6	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	0.833	mg/kg
	with reference to: food			

## 8.2 Exposure controls

### Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified.

Respiratory filter (part): P

# EU safety data sheet

**Trade name:** KRONES celerol L 7003

**Current version :** 2.0.0, issued: 05.02.2024

**Replaced version:** 1.0.6, issued: 04.08.2023

**Region:** GB

## Eye / face protection

Safety glasses with side protection shield (EN 166)

## Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber

## Other

Chemical-resistant work clothes.

## Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>	
solid	
<b>Form</b>	
paste	
<b>Colour</b>	
beige	
<b>Odour</b>	
characteristic	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
No data available	
<b>Melting point/freezing point</b>	
No data available	
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
No data available	
<b>Ignition temperature</b>	
No data available	
<b>Explosive properties</b>	
Product does not present an explosion hazard.	
<b>Flammability</b>	
Product is combustible.	
<b>Lower explosion limit</b>	
No data available	
<b>Upper explosion limit</b>	
No data available	
<b>Vapour pressure</b>	
Value	< 0.001 hPa
Reference temperature	20 °C
<b>Relative vapour density</b>	
No data available	

# EU safety data sheet

Trade name: KRONES celerol L 7003

Current version : 2.0.0, issued: 05.02.2024

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Region: GB

Relative density	
Value	0.98
Reference temperature	20 °C
Comments	calculated value

Density	
Value	0.98 g/cm <sup>3</sup>
Reference temperature	20 °C

Solubility in water	
Comments	insoluble

Solubility	
No data available	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Sulfonic acids, petroleum, calcium salts	61789-86-4	263-093-9
log Pow		22.12	
Reference temperature		25	°C
Method	OECD 107		
Source	ECHA		
2	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	271-529-4
log Pow	>	4.46	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		
3	Calcium-dodecylbenzenesulphonate	26264-06-2	247-557-8
log Pow		4.77	
Reference temperature		25	°C
Method	QSAR		
Source	ECHA		
4	bis(nonylphenyl)amine	36878-20-3	253-249-4
log Pow	>	7.6	
Source	ECHA		
5	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	270-128-1
log Pow		6.66	
Reference temperature		23	°C
Method	OECD 123		
Source	ECHA		

Kinematic viscosity	
No data available	

Particle characteristics	
No data available	

## 9.2 Other information

Other information	
No data available.	

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable at ambient temperature.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.



# EU safety data sheet

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**Replaced version:** 1.0.6, issued: 04.08.2023

**Region:** GB

## 10.4 Conditions to avoid

None, if handled according to intended use.

## 10.5 Incompatible materials

None known.

## 10.6 Hazardous decomposition products

No data available.

## SECTION 11: Toxicological information

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

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	KRONES celerol L 7003
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Sulfonic acids, petroleum, calcium salts	61789-86-4	263-093-9
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
2	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	271-529-4
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
3	Calcium-dodecylbenzenesulphonate	26264-06-2	247-557-8
LD50		1300	mg/kg bodyweight
Species	rat		
Source	ECHA		
4	bis(nonylphenyl)amine	36878-20-3	253-249-4
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
5	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	270-128-1
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Sulfonic acids, petroleum, calcium salts	61789-86-4	263-093-9
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
2	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	271-529-4
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		

# EU safety data sheet

**Trade name:** KRONES celerol L 7003

**Current version :** 2.0.0, issued: 05.02.2024

**Replaced version:** 1.0.6, issued: 04.08.2023

**Region:** GB

Source	ECHA		
<b>3</b>	<b>bis(nonylphenyl)amine</b>	<b>36878-20-3</b>	<b>253-249-4</b>
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
<b>4</b>	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Sulfonic acids, petroleum, calcium salts</b>	<b>61789-86-4</b>	<b>263-093-9</b>
LC50	>	1.9	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	EPA OPP 81-3		
Source	ECHA		
<b>2</b>	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>	<b>68584-23-6</b>	<b>271-529-4</b>
LC50	>	1.9	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Sulfonic acids, petroleum, calcium salts</b>	<b>61789-86-4</b>	<b>263-093-9</b>
Species	rabbit		
Method	EPA OPPTS 870.2500		
Source	ECHA		
Evaluation	non-irritant		
<b>2</b>	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>	<b>68584-23-6</b>	<b>271-529-4</b>
Species	rabbit		
Method	EPA 870-2500		
Source	ECHA		
Evaluation	non-irritant		
<b>3</b>	<b>Calcium-dodecylbenzenesulphonate</b>	<b>26264-06-2</b>	<b>247-557-8</b>
Duration of exposure		4	h
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		
<b>4</b>	<b>bis(nonylphenyl)amine</b>	<b>36878-20-3</b>	<b>253-249-4</b>
Duration of exposure		4	h
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>5</b>	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		

# EU safety data sheet

**Trade name:** KRONES celerol L 7003

**Current version :** 2.0.0, issued: 05.02.2024

**Replaced version:** 1.0.6, issued: 04.08.2023

**Region:** GB

<b>Serious eye damage/irritation</b>			
No	Substance name	CAS no.	EC no.
1	<b>Sulfonic acids, petroleum, calcium salts</b>	<b>61789-86-4</b>	<b>263-093-9</b>
	Species	rabbit	
	Method	EPA OPPTS 870.2400	
	Source	ECHA	
	Evaluation	non-irritant	
2	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>	<b>68584-23-6</b>	<b>271-529-4</b>
	Species	rabbit	
	Method	EPA OPPTS 870.2400	
	Source	ECHA	
	Evaluation	non-irritant	
3	<b>Calcium-dodecylbenzenesulphonate</b>	<b>26264-06-2</b>	<b>247-557-8</b>
	Species	rabbit	
	Method	OECD 405	
	Source	ECHA	
	Evaluation	Irreversible effects on the eye	
4	<b>bis(nonylphenyl)amine</b>	<b>36878-20-3</b>	<b>253-249-4</b>
	Species	rabbit	
	Method	OECD 405	
	Source	ECHA	
	Evaluation	non-irritant	
5	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
	Species	rabbit	
	Method	OECD 405	
	Source	ECHA	
	Evaluation	non-irritant	

<b>Respiratory or skin sensitisation</b>			
No	Substance name	CAS no.	EC no.
1	<b>Sulfonic acids, petroleum, calcium salts</b>	<b>61789-86-4</b>	<b>263-093-9</b>
	Route of exposure	Skin	
	Species	guinea pig	
	Method	Buehler	
	Source	ECHA	
	Evaluation	sensitizing	
2	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>	<b>68584-23-6</b>	<b>271-529-4</b>
	Route of exposure	Skin	
	Species	guinea pig	
	Method	Buehler	
	Source	ECHA	
	Evaluation	sensitizing	
3	<b>bis(nonylphenyl)amine</b>	<b>36878-20-3</b>	<b>253-249-4</b>
	Route of exposure	Skin	
	Species	guinea pig	
	Method	OECD 406	
	Source	ECHA	
	Evaluation	non-sensitizing	
4	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
	Route of exposure	Skin	
	Species	guinea pig	
	Method	OECD 406	
	Source	ECHA	
	Evaluation	non-sensitizing	

<b>Germ cell mutagenicity</b>			
No	Substance name	CAS no.	EC no.

# EU safety data sheet

Trade name: KRONES celerol L 7003

Current version : 2.0.0, issued: 05.02.2024

Replaced version: 1.0.6, issued: 04.08.2023

Region: GB

1	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
Evaluation/classification		Based on available data, the classification criteria are not met.	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
Route of exposure		oral	
Species		rat	
Method		OECD 422	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No data available			

STOT - single exposure			
No data available			

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	<b>Sulfonic acids, petroleum, calcium salts</b>	<b>61789-86-4</b>	<b>263-093-9</b>
Route of exposure		oral	
Species		rat	
Method		OECD 407	
Source		ECHA	
Evaluation/classification		On the basis of the available information, the classification criteria are not met.	
2	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>	<b>68584-23-6</b>	<b>271-529-4</b>
Route of exposure		oral	
Species		rat	
Method		OECD 407	
Source		ECHA	
Evaluation/classification		On the basis of the available information, the classification criteria are not met.	
3	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
Route of exposure		oral	
Species		rat	
Method		OECD 422	
Source		ECHA	
Evaluation/classification		On the basis of the available information, the classification criteria are not met.	

Aspiration hazard			
No data available			

## 11.2 Information on other hazards

**Endocrine disrupting properties**  
No data available.

**Other information**  
No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	<b>Sulfonic acids, petroleum, calcium salts</b>	<b>61789-86-4</b>	<b>263-093-9</b>
LL50	>	10000	mg/l

# EU safety data sheet

**Trade name:** KRONES celerol L 7003

**Current version :** 2.0.0, issued: 05.02.2024

**Replaced version:** 1.0.6, issued: 04.08.2023

**Region:** GB

Duration of exposure		96	h
Species	Cyprinodon variegatus		
Method	OECD 203		
Source	ECHA		
<b>2</b>	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>	<b>68584-23-6</b>	<b>271-529-4</b>
LL50	>	10000	mg/l
Duration of exposure		96	h
Species	Cyprinodon variegatus		
Method	OECD 203		
Source	ECHA		
<b>3</b>	<b>bis(nonylphenyl)amine</b>	<b>36878-20-3</b>	<b>253-249-4</b>
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 202		
Source	ECHA		
<b>4</b>	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		

## Toxicity to fish (chronic)

No data available

## Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Sulfonic acids, petroleum, calcium salts</b>	<b>61789-86-4</b>	<b>263-093-9</b>
EC50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EPA OTS 797.1300		
Source	ECHA		
<b>2</b>	<b>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</b>	<b>68584-23-6</b>	<b>271-529-4</b>
EC50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EPA OTS 797.1300		
Source	ECHA		
<b>3</b>	<b>bis(nonylphenyl)amine</b>	<b>36878-20-3</b>	<b>253-249-4</b>
EC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>4</b>	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
EC50		51	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

## Toxicity to Daphnia (chronic)

No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>	<b>68411-46-1</b>	<b>270-128-1</b>
EC10		1.69	mg/l
Duration of exposure		21	day(s)

# EU safety data sheet

**Trade name:** KRONES celerol L 7003

**Current version :** 2.0.0, issued: 05.02.2024

**Replaced version:** 1.0.6, issued: 04.08.2023

**Region:** GB

Species	Daphnia magna
Method	OECD 211
Source	ECHA

## Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.
1	Sulfonic acids, petroleum, calcium salts	61789-86-4	263-093-9
EC50	>	1000	mg/l
Duration of exposure		96	h
Species	Raphidocelis subcapitata		
Method	EPA OTS 797.1050		
Source	ECHA		
2	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	271-529-4
EC50	>	1000	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	EPA OTS 797.1050		
Source	ECHA		
3	bis(nonylphenyl)amine	36878-20-3	253-249-4
EC50		600	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
4	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	270-128-1
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

## Toxicity to algae (chronic)

No data available

## Bacteria toxicity

No data available

## 12.2 Persistence and degradability

### Biodegradability

No	Substance name	CAS no.	EC no.
1	Sulfonic acids, petroleum, calcium salts	61789-86-4	263-093-9
Value		8	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	not readily biodegradable		
2	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	271-529-4
Value		8	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	not readily biodegradable		
3	bis(nonylphenyl)amine	36878-20-3	253-249-4
Type	aerobic biodegradation		
Value		1	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		

# EU safety data sheet

**Trade name:** KRONES celerol L 7003

**Current version :** 2.0.0, issued: 05.02.2024

**Replaced version:** 1.0.6, issued: 04.08.2023

**Region:** GB

4	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	270-128-1
Type	aerobic biodegradation		
Value		1	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		

## 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	270-128-1
BCF	1730		
Method	Circular on Test Methods of New Chemical Substances (Japan), bioconcentration test		
Source	ECHA		

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Sulfonic acids, petroleum, calcium salts	61789-86-4	263-093-9
log Pow		22.12	
Reference temperature		25	°C
Method	OECD 107		
Source	ECHA		
2	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	271-529-4
log Pow	>	4.46	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		
3	Calcium-dodecylbenzenesulphonate	26264-06-2	247-557-8
log Pow		4.77	
Reference temperature		25	°C
Method	QSAR		
Source	ECHA		
4	bis(nonylphenyl)amine	36878-20-3	253-249-4
log Pow	>	7.6	
Source	ECHA		
5	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	270-128-1
log Pow		6.66	
Reference temperature		23	°C
Method	OECD 123		
Source	ECHA		

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT. According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.
vPvB assessment	

## 12.6 Endocrine disrupting properties

No data available.

## 12.7 Other adverse effects

No data available.

# EU safety data sheet

Trade name: KRONES celerol L 7003

Current version : 2.0.0, issued: 05.02.2024

Replaced version: 1.0.6, issued: 04.08.2023

Region: GB

## 12.8 Other information

### Other information

Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## SECTION 14: Transport information

### 14.1 UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

### 14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

### 14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

### 14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

### 14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

### 14.6 Special precautions for user

No data available.

### 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 regulations

#### Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

#### REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

#### Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	diphenylamine	122-39-4	204-539-4	75
2	Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	265-090-8	75



# EU safety data sheet

**Trade name:** KRONES celerol L 7003

**Current version :** 2.0.0, issued: 05.02.2024

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## Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

## Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

## 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

### Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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