

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1 Product identifier**
**KRONES celerol L 7003**
**Article number: 0901856148, 0902415750, 0901856218, 0901856261, 0904173452**
**1.2 Relevant identified uses of the substance or mixture and uses advised against**
**1.2.1 Relevant uses**

Lubricant

**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet**
**Company**

KIC KRONES Internationale Cooperationsgesellschaft mbH  
 Böhmerwaldstraße 5  
 93073 Neutraubling / GERMANY  
 Phone +49 9401 70-3020  
 Fax +49 9401 70-3696  
 Homepage www.kic-krones.com  
 E-mail kic@kic-krones.com

**Address enquiries to**
**Technical information**

kic@kic-krones.com

**Safety Data Sheet**

sdb@chemiebueero.de

**1.4 Emergency telephone number**
**Advisory body**

+49 (0)89-19240 (24h) (english)

**SECTION 2: Hazards identification**
**2.1 Classification of the substance or mixture**

Eye Irrit. 2: H319 Causes serious eye irritation.

**2.2 Label elements**
**Hazard pictograms**


The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

**Signal word**

WARNING

**Hazard statements**

H319 Causes serious eye irritation.

**Precautionary statements**

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.

**Special labelling**

Contains: Calciumsulfonate, Petroleum, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. EUH208 May produce an allergic reaction.

**2.3 Other hazards**
**Human health dangers**

Frequent persistent contact with the skin can cause skin irritation.

**Environmental hazards**

The product/the substance has the Water Hazard Class 1.

**Other hazards**

Further hazards were not determined with the current level of knowledge.

### SECTION 3: Composition / Information on ingredients

#### Product-type:

The product is a mixture.

Range [%]	Substance
1 - < 10	Calciumsulfonate, Petroleum
	CAS: 61789-86-4, EINECS/ELINCS: 263-093-9, Reg-No.: 01-2119488992-18-XXXX
	GHS/CLP: Skin Sens. 1B: H317
1 - < 10	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
	CAS: 68584-23-6, EINECS/ELINCS: 271-529-4, Reg-No.: 01-2119492627-25-XXXX
	GHS/CLP: Skin Sens. 1B: H317
1 - < 3	Calcium dodecylbenzenesulphonate
	CAS: 26264-06-2, EINECS/ELINCS: 247-557-8
	GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318
1 - < 2,5	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
	CAS: 68411-46-1, EINECS/ELINCS: 270-128-1, Reg-No.: 01-2119491299-23-XXXX
0,1 - < 1	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts
	CAS: 70024-69-0, EINECS/ELINCS: 274-263-7, Reg-No.: 01-2119492616-28-XXXX
	GHS/CLP: Skin Sens. 1B: H317

#### Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.  
For full text of H-statements: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Change soaked clothing.

##### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

##### Skin contact

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

##### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

##### Ingestion

Seek medical advice immediately.  
Do not induce vomiting.

#### 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.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Foam, dry powder, water spray jet, carbon dioxide.

##### Extinguishing media that must not be used

Full water jet.

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

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>).  
Sulphur oxides (SO<sub>x</sub>).  
Metal oxides.

**5.3 Advice for firefighters**

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

High risk of slipping due to leakage/spillage of product.  
Ensure adequate ventilation.  
Use personal protective equipment.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Take up mechanically.  
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

**6.4 Reference to other sections**

See SECTION 8+13

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Use only in well-ventilated areas.  
Avoid spilling in enclosed areas.  
Avoid contact with eyes and skin. Use personal protective equipment.

Wash hands before breaks and after work.  
Remove soiled or soaked clothing.  
Use barrier skin cream.

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

Keep only in original container.  
Do not store together with oxidizing agents.  
Keep container tightly closed.  
Keep in a cool place. Store in a dry place.  
Protect from heat/overheating and from sun.

**7.3 Specific end use(s)**

See product use, SECTION 1.2

**SECTION 8: Exposure controls / personal protection**
**8.1 Control parameters**
**Ingredients with occupational exposure limits to be monitored (GB)**

not applicable

**DNEL**

Substance
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
Industrial, dermal, Long-term - systemic effects: 0,08 mg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 0,6 mg/m <sup>3</sup> .
general population, inhalative, Long-term - systemic effects: 0,14 mg/m <sup>3</sup> .
general population, dermal, Long-term - systemic effects: 0,04 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 0,04 mg/kg bw/day.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, CAS: 68584-23-6
Industrial, dermal, Long-term - systemic effects: 3,33 mg/kg.
Industrial, inhalative, Long-term - systemic effects: 0,66 mg/m <sup>3</sup> .
general population, oral, Long-term - systemic effects: 0,8333 mg/kg.
general population, dermal, Long-term - systemic effects: 1,667 mg/kg.
general population, inhalative, Long-term - systemic effects: 0,33 mg/m <sup>3</sup> .
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, CAS: 70024-69-0
Industrial, dermal, Long-term - local effects: 1,03 mg/cm <sup>2</sup> .
Industrial, dermal, Long-term - systemic effects: 3,33 mg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 11,75 mg/m <sup>3</sup> .
general population, dermal, Long-term - systemic effects: 1,667 mg/kg bw/day.
general population, dermal, Long-term - local effects: 0,513 mg/cm <sup>2</sup> .
general population, oral, Long-term - systemic effects: 0,833 mg/kg bw/day.
general population, inhalative, Long-term - systemic effects: 2,9 mg/m <sup>3</sup> .

**PNEC**

Substance
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
soil, 2,59 mg/kg.
sediment (seawater), 0,045 mg/kg.
sediment (freshwater), 0,446 mg/kg.
sewage treatment plants (STP), 10 mg/l.
seawater, 0,003 mg/l.
freshwater, 0,034 mg/l.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, CAS: 68584-23-6
seawater, 1 mg/l.
freshwater, 1 mg/l.
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, CAS: 70024-69-0
sewage treatment plants (STP), 1000 mg/l.
seawater, 1 mg/l.
freshwater, 1 mg/l.

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: > 0,4 mm: Butyl rubber, >480 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Protective clothing.
<b>Other</b>	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin.
<b>Respiratory protection</b>	Not required under normal conditions. If ventilation is insufficient, wear respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	No information available.
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	pasty
<b>Color</b>	beige
<b>Odor</b>	characteristic
<b>Odour threshold</b>	No information available.
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	not applicable
<b>Flash point [°C]</b>	not applicable
<b>Flammability (solid, gas) [°C]</b>	No information available.
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Oxidising properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	< 0,0001 (20 °C / 68 °F) not determined
<b>Density [g/ml]</b>	ca. 0,98 (20 °C / 68,0 °F)
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water</b>	insoluble
<b>Partition coefficient [n-octanol/water]</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Relative vapour density determined in air</b>	not applicable
<b>Evaporation speed</b>	not applicable
<b>Melting point [°C]</b>	No information available.
<b>Autoignition temperature [°C]</b>	not applicable
<b>Decomposition temperature [°C]</b>	No information available.

### 9.2 Other information

No information available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No dangerous reactions known if used as directed.

**10.2 Chemical stability**

Stable under normal ambient conditions (ambient temperature).

**10.3 Possibility of hazardous reactions**

Reactions with oxidizing agents.

**10.4 Conditions to avoid**

See SECTION 7.2.

**10.5 Incompatible materials**

See SECTION 10.3.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information**
**11.1 Information on toxicological effects**
**Acute toxicity**

Substance
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
LD50, dermal, Rat: > 2000 mg/kg OECD 402.
LD50, oral, Rat: > 5000 mg/kg OECD 401.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, CAS: 68584-23-6
LD50, dermal, Rabbit: > 5000 mg/kg (OECD 402).
LD50, oral, Rat: > 5000 mg/kg (OECD 401).
Calciumsulfonate, Petroleum, CAS: 61789-86-4
LD50, dermal, Rabbit: > 4000 mg/kg (OECD 402).
LD50, oral, Rat: > 5000 mg/kg (OECD 401).
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, CAS: 70024-69-0
LD50, dermal, Rabbit: > 5.000 mg/kg (OECD 402).
LD50, oral, Rat: 10.000 - 20.000 mg/kg.
LC50, inhalative, Rat: > 1,9 mg/l.
Calcium dodecylbenzenesulphonate, CAS: 26264-06-2
LD50, dermal, Rabbit: > 4199 mg/kg.

<b>Serious eye damage/irritation</b>	Irritant Calculation method
<b>Skin corrosion/irritation</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Respiratory or skin sensitisation</b>	Toxicological data of complete product are not available. No classification due to substance-specific concentration limits. Based on the available information, the classification criteria are not fulfilled.
<b>Specific target organ toxicity — single exposure</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Specific target organ toxicity — repeated exposure</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Mutagenicity</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Reproduction toxicity</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Carcinogenicity</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Aspiration hazard</b>	Based on the available information, the classification criteria are not fulfilled.
<b>General remarks</b>	

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## SECTION 12: Ecological information

### 12.1 Toxicity

Substance
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, CAS: 68411-46-1
LC50, (96h), Brachidanio rerio: > 100 mg/l OECD 203.
EC50, (72h), Desmodemus subspicatus: > 100 mg/l OECD 201.
EC50, (48h), Daphnia magna: 51 mg/l OECD 202.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, CAS: 68584-23-6
LC50, (96h), Pimephales promelas: > 10.000 mg/l (OECD 203).
EC50, (48h), Daphnia magna: > 1.000 mg/l (OECD 202).
Calciumsulfonate, Petroleum, CAS: 61789-86-4
LC50, (96h), fish: > 10.000 mg/l (OECD 203).
EC50, (3h), Activated sludge: > 10.000 mg/l (OECD 209).
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, CAS: 70024-69-0
LC50, (96h), fish: > 10.000 mg/l (OECD 203).
EC50, (72h), Pseudokirchneriella subcapitata: > 1000 mg/l.
EC50, (48h), Daphnia magna: > 1000 mg/l.

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

not applicable

### 12.6 Other adverse effects

Ecological data of complete product are not available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

##### Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.  
For recycling, consult manufacturer.

##### Waste no. (recommended)

120112\* spent waxes and fats

##### Contaminated packaging

Uncontaminated packaging may be taken for recycling.  
Uncontaminated packaging may be reused.

##### Waste no. (recommended)

150110\*

### SECTION 14: Transport information

#### 14.1 UN number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

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

not applicable

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

**EEC-REGULATIONS** 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; (EU) 2015/830

**TRANSPORT-REGULATIONS** DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2016).

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4

- Observe employment restrictions for people Observe employment restrictions for young people.

- VOC (1999/13/CE) 0%

**15.2 Chemical safety assessment**

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

**SECTION 16: Other information****16.1 Hazard statements (SECTION 03)**

H318 Causes serious eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

**16.2 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV®/TWA = Threshold limit value – time-weighted average  
 TLV®/STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**16.3 Other information****Classification procedure**

Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)

**Modified position**

SECTION 2 deleted: P363 Wash contaminated clothing before reuse.

SECTION 2 deleted: P261 Avoid breathing dust.

SECTION 2 deleted: P280 Wear protective gloves / eye protection / face protection.

SECTION 2 been added: P280 Wear eye protection / face protection.

SECTION 2 deleted: H317 May cause an allergic skin reaction.

SECTION 2 deleted: Skin Sens. 1

SECTION 2 deleted: P333+P313 If skin irritation or rash occurs: Get medical advice / attention.

SECTION 2 deleted: The product is classified and required to be labelled in accordance with EC-Directives

SECTION 2 been added: The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

SECTION 2 deleted: P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

SECTION 2 been added: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 7 been added: Avoid contact with eyes and skin. Use personal protective equipment.

SECTION 8 been added: Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

SECTION 11 been added: Toxicological data of complete product are not available.

SECTION 11 deleted: Sensitizing.

SECTION 11 been added: No classification due to substance-specific concentration limits.

SECTION 11 been added: Based on the available information, the classification criteria are not fulfilled.

SECTION 11 deleted: Calculation method

SECTION 12 been added: The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12 deleted: No classification on the basis of the calculation procedure of the preparation directive.

SECTION 16 been added: Observe employment restrictions for young people.

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