

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1 Product identifier

KRONES celerol LU 7609
Article number: 0904734764

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
 Böhrmerwaldstraße 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@chemiebuero.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

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

Hazard pictograms

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

Special labelling

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

2.3 Other hazards
Environmental hazards

Does not contain any PBT or vPvB substances.

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
2,5 - < 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
0,1 - ≤ 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
	GHS/CLP: Aquatic Chronic 3: H412
0,1 - ≤ 2,5%	Calciumsulfonate, Petroleum
	CAS: 61789-86-4, EINECS/ELINCS: 263-093-9, Reg-No.: 01-2119488992-18-XXXX
	GHS/CLP: Skin Sens. 1B: H317
0,1 - ≤ 2,5%	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
2,5% - < 3	Calcium dodecylbenzenesulphonate
	CAS: 26264-06-2, EINECS/ELINCS: 247-557-8
	GHS/CLP: Eye Dam. 1: H318 - Skin Irrit. 2: H315

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**

Take off contaminated clothing and wash before reuse.

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

Do not induce vomiting.
 Rinse out mouth and give plenty of water to drink.
 Get medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions
 Irritant effects

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**

Dry powder.
 Carbon dioxide.
 Sand.
 Foam.

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)

Not combusted hydrocarbons.

Fluorine compounds

Hydrogen fluoride (HF).

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Collect contaminated firefighting water separately, must not be discharged into the drains.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear suitable protective equipment. For personal protection see SECTION 8.

Some risk of slipping due to spillage of product.

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).

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

The normal safety precautions for handling chemicals must be observed.

Avoid contact with eyes and skin. Use personal protective equipment.

Do not eat, drink, smoke or take drugs at work.

Take off contaminated clothing and wash before reuse.

Wash hands before breaks and after work.

Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

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, inhalative, Long-term - systemic effects: 0,6 mg/m ³ .
Industrial, dermal, Long-term - systemic effects: 0,08 mg/kg bw/day.
general population, inhalative, Long-term - systemic effects: 0,14 mg/m ³ .
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, mono-C16-24-alkyl derivs., calcium salts, CAS: 70024-69-0
Industrial, dermal, Long-term - local effects: 1,03 mg/cm ² .
Industrial, dermal, Long-term - systemic effects: 3,33 mg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 11,75 mg/m ³ .
general population, inhalative, Long-term - systemic effects: 2,9 mg/m ³ .
general population, dermal, Long-term - systemic effects: 1,667 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 0,833 mg/kg bw/day.
general population, dermal, Long-term - local effects: 0,513 mg/cm ² .
Calciumsulfonate, Petroleum, CAS: 61789-86-4
Industrial, dermal, Long-term - systemic effects: 3,33 mg/kg bw/d.
Industrial, inhalative, Long-term - systemic effects: 11,75 mg/m ³ .
general population, inhalative, Long-term - systemic effects: 2,9 mg/m ³ .
general population, oral, Long-term - systemic effects: 0,8333 mg/kg bw/d.
general population, dermal, Long-term - systemic effects: 1,667 mg/kg bw/d.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, CAS: 68584-23-6
Industrial, dermal, Long-term - local effects: 1,03 mg/cm ² .
Industrial, dermal, Long-term - systemic effects: 3,33 mg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 11,75 mg/m ³ .
general population, inhalative, Long-term - systemic effects: 2,9 mg/m ³ .
general population, dermal, Long-term - systemic effects: 1,667 mg/kg bw/day.
general population, dermal, Long-term - local effects: 0,513 mg/cm ² .
general population, oral, Long-term - systemic effects: 0,833 mg/kg bw/day.

PNEC

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

sewage treatment plants (STP), 1000 mg/l.
Calciumsulfonate, Petroleum, CAS: 61789-86-4
soil, 271 000 000 mg/kg dw.
freshwater, 1 mg/l (AF=1000).
seawater, 1 mg/l (AF=10000).
sewage treatment plants (STP), 1000 mg/l (AF=10).
sediment (seawater), 226 000 000 mg/kg dw.
oral (food), 16 667 mg/kg food.
sediment (freshwater), 226 000 000 mg/kg dw.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, CAS: 68584-23-6
freshwater, 1 mg/l.
seawater, 1 mg/l.
sewage treatment plants (STP), 1000 mg/l.
oral (food), 16,667 mg/kg food.

8.2 Exposure controls

Additional advice on system design	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.
Eye protection	Tightly fitting goggles. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. 0,4 mm: Nitrile rubber, >30 min (EN 374-1/-2/-3).
Skin protection	Protective clothing.
Other	Avoid contact with eyes and skin. Do not breathe vapour/spray. 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.
Respiratory protection	Not required under normal conditions.
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	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**

Form	pasty
Color	light brown
Odor	odourless
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	> 180
Flammability (solid, gas) [°C]	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	none
Density [g/ml]	0,97 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	insoluble
Partition coefficient [n-octanol/water]	No information available.
Viscosity	550 Pas (20°C) (ASTM D2983)
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	No information available.

9.2 Other information

Drop point: >280 °C (DIN 51801)
Operation temperature: -30 - +180°C
Grease code (DIN 51825): KPFHC2P-30

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 strong oxidizing agents.

10.4 Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

In the case of heating following (decomposition) products may occur:

Carbon monoxide (CO).

Hydrocarbons.

> 400°C - Fluorine compounds

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, 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.
Calciumsulfonate, Petroleum, CAS: 61789-86-4
LD50, oral, > 5000 mg/kg bw.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, CAS: 68584-23-6
LD50, dermal, Rabbit: >5000 mg/kg bw.
LD50, oral, Rat: >5000 mg/kg bw.
LC50, inhalative, Rat: >1,9 mg/l.

Serious eye damage/irritation

Toxicological data of complete product are not available.

Irritant

Calculation method

Skin corrosion/irritation

Toxicological data of complete product are not available.

Based on the available information, the classification criteria are not fulfilled.

Respiratory or skin sensitisation

Toxicological data of complete product are not available.

May produce an allergic reaction.

The labelling was carried out based on substance-specific concentration limits.

Specific target organ toxicity — single exposure

Toxicological data of complete product are not available.

Based on the available information, the classification criteria are not fulfilled.

Specific target organ toxicity — repeated exposure

Toxicological data of complete product are not available.

Based on the available information, the classification criteria are not fulfilled.

Mutagenicity

Toxicological data of complete product are not available.

Based on the available information, the classification criteria are not fulfilled.

Reproduction toxicity

Toxicological data of complete product are not available.

Based on the available information, the classification criteria are not fulfilled.

Carcinogenicity

Toxicological data of complete product are not available.

Based on the available information, the classification criteria are not fulfilled.

Aspiration hazard

Based on the available information, the classification criteria are not fulfilled.

General remarks

The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever, which has flu-like symptoms in humans, especially when smoking contaminated tobacco.

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), Desmodesmus subspicatus: > 100 mg/l OECD 201.
EC50, (48h), Daphnia magna: 51 mg/l OECD 202.
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.
Calciumsulfonate, Petroleum, CAS: 61789-86-4
LL50, (96h), fish: > 10 000 mg/l.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, CAS: 68584-23-6
EC50, (72h), Pseudokirchneriella subcapitata: >1000 mg/l.
EC50, (48h), Daphnia magna: >1000 mg/l.
NOEC, (72h), Pseudokirchneriella subcapitata: 1000 mg/l.
LL50, (96h), fish: >10000 mg/l.
EC0, (48h), Daphnia magna: 1000 mg/l.
LL0, (96h), fish: 10000 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments	No information available.
Behaviour in sewage plant	No information available.
Biological degradability	No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

The product is insoluble in water.

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Other adverse effects

Ecological data of complete product are not available.
Do not discharge product unmonitored into the environment or into the drainage.

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

Coordinate disposal with the authorities if necessary.

Waste no. (recommended) 200126*
070604*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2017).

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 (2010/75/CE) No information available.

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

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

H412 Harmful to aquatic life with long lasting effects.

H315 Causes skin irritation.

H318 Causes serious eye damage.

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
 ATE = acute toxicity estimate
 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
 LC0 = lethal concentration, 0%
 LOAEL = lowest-observed-adverse-effect level
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 NOAEL = No Observed Adverse Effect Level
 NOEC = No Observed Effect Concentration
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 STP = Sewage Treatment Plant
 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 been added: Does not contain any PBT or vPvB substances.



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