

KRONES celerol LU 7610

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 13/08/2019 Revision date: 13/08/2019 Supersedes: 04/10/2018 Version: 3.00

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

1.1. Product identifier

Trade name : KRONES celerol LU 7610

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Lubricant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

KIC KRONES Internationale Cooperationsgesellschaft mbH
Böhmerwaldstraße 5
93073 Neutraubling
T +49 9401 70-3020 - F +49 9401 70-3696
kic@kic-krones.com - www.kic-krones.com

Email competent person

sds@kft.de

1.4. Emergency telephone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incidents
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains Benzenesulfonic acid, C10-16-alkyl derivs, calcium salts, Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs, calcium salts. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	(CAS-No.) 68584-23-6 (EC-No.) 271-529-4 (REACH-no) 01-2119492627-25-xxxx	2,5 - 10	Skin Sens. 1B, H317
calcium dodecylbenzenesulphonate	(CAS-No.) 26264-06-2 (EC-No.) 247-557-8	2,5 - 3	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 4, H413
Sulfonic acids, petroleum, calcium salts	(CAS-No.) 61789-86-4 (EC-No.) 263-093-9 (REACH-no) 01-2119488992-18-xxxx	0,1 - <= 2,5	Skin Sens. 1B, H317
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	(CAS-No.) 70024-69-0 (EC-No.) 274-263-7 (REACH-no) 01-2119492616-28-xxxx	0,1 - <= 2,5	Skin Sens. 1B, H317
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	(CAS-No.) 68411-46-1 (EC-No.) 270-128-1 (REACH-no) 01-2119491299-23-xxxx	0,1 - <= 2,5	Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	(CAS-No.) 68584-23-6 (EC-No.) 271-529-4 (REACH-no) 01-2119492627-25-xxxx	(10 =<C < 100) Skin Sens. 1B, H317
Sulfonic acids, petroleum, calcium salts	(CAS-No.) 61789-86-4 (EC-No.) 263-093-9 (REACH-no) 01-2119488992-18-xxxx	(10 =<C < 100) Skin Sens. 1B, H317
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	(CAS-No.) 70024-69-0 (EC-No.) 274-263-7 (REACH-no) 01-2119492616-28-xxxx	(10 =<C <= 100) Skin Sens. 1B, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact	: May cause sensitisation of susceptible persons.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Foam. extinguishing powder. Sand. Carbon dioxide.
Unsuitable extinguishing media	: Water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. fluorinated compounds. Hydrogen fluoride.
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5.3. Advice for firefighters

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Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spilled material may present a slipping hazard.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Alkaline cleaner.

Other information : Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Store in a dry place. Store in accordance with local regulations on explosives.

Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (68584-23-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	3.33 mg/kg bodyweight/day
Long-term - local effects, dermal	1.03 mg/cm ²
Long-term - systemic effects, inhalation	11.75 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.833 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.9 mg/m ³
Long-term - systemic effects, dermal	1.667 mg/kg bodyweight/day

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Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (68584-23-6)	
Long-term - local effects, dermal	0.513 mg/cm ²
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	226000000 mg/kg dwt
PNEC sediment (marine water)	226000000 mg/kg dwt
PNEC (Soil)	
PNEC soil	271000000 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	16.667 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	1000 mg/l
Sulfonic acids, petroleum, calcium salts (61789-86-4)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	3.33 mg/kg bodyweight/day
Long-term - local effects, dermal	1.03 mg/cm ²
Long-term - systemic effects, inhalation	11.75 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.833 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.9 mg/m ³
Long-term - systemic effects, dermal	1.667 mg/kg bodyweight/day
Long-term - local effects, dermal	0.513 mg/cm ²
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	226000000 mg/kg dwt
PNEC sediment (marine water)	226000000 mg/kg dwt
PNEC (Soil)	
PNEC soil	271000000 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	16.667 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	1000 mg/l
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	3.33 mg/kg bodyweight/day
Long-term - local effects, dermal	1.03
Long-term - systemic effects, inhalation	11.75 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.833 mg/kg bodyweight/day

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Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0)	
Long-term - systemic effects, inhalation	2.9 mg/m ³
Long-term - systemic effects, dermal	1.667 mg/kg bodyweight/day
Long-term - local effects, dermal	0.513
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	226000000 mg/kg dwt
PNEC sediment (marine water)	226000000 mg/kg dwt
PNEC (Soil)	
PNEC soil	271000000 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	16.667 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	1000 mg/l
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0.08 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.6 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.04 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.14 mg/m ³
Long-term - systemic effects, dermal	0.04 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.034 mg/l
PNEC aqua (marine water)	0.003 mg/l
PNEC aqua (intermittent, freshwater)	0.51 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.446 mg/kg dwt
PNEC sediment (marine water)	0.045 mg/kg dwt
PNEC (Soil)	
PNEC soil	1.76 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l
calcium dodecylbenzenesulphonate (26264-06-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	80 mg/kg bodyweight/day
Acute - systemic effects, inhalation	52 mg/m ³
Acute - local effects, dermal	1.57 mg/cm ²
Acute - local effects, inhalation	52 mg/m ³
Long-term - systemic effects, dermal	57.2 mg/kg bodyweight/day
Long-term - local effects, dermal	1.57 mg/cm ²
Long-term - systemic effects, inhalation	52 mg/m ³

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calcium dodecylbenzenesulphonate (26264-06-2)

Long-term - local effects, inhalation	52 mg/m ³
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DNEL/DMEL (General population)

Acute - systemic effects, dermal	40 mg/kg bodyweight
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Acute - systemic effects, inhalation	26 mg/m ³
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Acute - systemic effects, oral	13 mg/kg bodyweight
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Acute - local effects, dermal	0.787 mg/cm ²
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Acute - local effects, inhalation	26 mg/m ³
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Long-term - systemic effects, oral	13 mg/kg bodyweight/day
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Long-term - systemic effects, inhalation	26 mg/m ³
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Long-term - systemic effects, dermal	28.6 mg/kg bodyweight/day
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Long-term - local effects, dermal	0.787 mg/cm ²
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Long-term - local effects, inhalation	26 mg/m ³
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PNEC (Water)

PNEC aqua (freshwater)	0.28 mg/l
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PNEC aqua (marine water)	0.458 mg/l
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PNEC aqua (intermittent, freshwater)	0.654 mg/l
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PNEC (Sediment)

PNEC sediment (freshwater)	27.5 mg/kg dwt
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PNEC sediment (marine water)	2.75 mg/kg dwt
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PNEC (Soil)

PNEC soil	25 mg/kg dwt
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PNEC (Oral)

PNEC oral (secondary poisoning)	20 mg/kg food
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PNEC (STP)

PNEC sewage treatment plant	50 mg/l
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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

In case of repeated or prolonged contact wear gloves. Nitrile rubber. Polyvinylchloride (PVC). Neoprene. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Eye protection:

Use splash goggles when eye contact due to splashing is possible. EN 166

Skin and body protection:

Wear suitable protective clothing. EN 340

Respiratory protection:

Not required for normal conditions of use

Environmental exposure controls:

Avoid release to the environment.

Other information:

Wash hands before breaks and after work. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Pasty.
Colour	: light brown.
Odour	: odourless.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 180 °C
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.97 g/cm ³ (20 °C)
Solubility	: Water: Insoluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 550 Pa·s (20 °C)
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Strong oxidizing agent.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon monoxide. hydrocarbons. fluorinated compounds.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

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ATE CLP (oral)	> 5000 mg/kg bodyweight
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calcium dodecylbenzenesulphonate (26264-06-2)	
LD50 oral rat	1300 mg/kg
LD50 dermal rat	> 2000 mg/kg (Read-across; (OECD 402 method))
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Additional information	: EC 247-557-8, CAS 26264-06-2, Solution < 5%: No information available on this specific product, however by analogy, the product is considered to be: Not irritating to eyes (OECD 405 method)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: May cause sensitisation of susceptible persons
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

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Viscosity, kinematic	567010.309 mm ² /s
Potential adverse human health effects and symptoms	: In the event of thermal decomposition : Do not breathe vapours. May cause fever with flu-like symptoms.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)	
LC50 fish 1	> 71 mg/l (96 h;Brachydanio rerio (zebra-fish);(OECD 203 method))
EC50 Daphnia 1	51 mg/l (48 h; Daphnia magna;(OECD 202 method))
EC50 72h algae	> 100 mg/l (72 h;Desmodismus subspicatus ; (OECD 201 method))

calcium dodecylbenzenesulphonate (26264-06-2)	
LC50 fish 1	2.8 mg/l (48 h; Cyprinus carpio; (OECD 203 method))
EC50 Daphnia 1	1.276 mg/l (Quantitative structure-activity relationship (QSAR))
ErC50 (algae)	29 mg/l (96 h; Pseudokirchneriella subcapitata; Read-across)
LOEC (chronic)	10 mg/l (28 d; Poecilia reticulata (Guppy))
NOEC chronic crustacea	1.65 mg/l (21 d; Daphnia magna; (OECD 211 method))
NOEC chronic algae	7.9 mg/l (72 h; Pseudokirchneriella subcapitata; Read-across; (OECD 201 method))

12.2. Persistence and degradability

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 - 1 % (28 d; (OECD 301B method))

calcium dodecylbenzenesulphonate (26264-06-2)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

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Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

Log Pow	>= 5 (25 °C)
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calcium dodecylbenzenesulphonate (26264-06-2)

BCF fish 1	104 l/kg (32 d; Ictalurus punctatus; (OECD 305 method))
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Log Pow	1.96 (25 °C)
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (68584-23-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sulfonic acids, petroleum, calcium salts (61789-86-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
calcium dodecylbenzenesulphonate (26264-06-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	: Entrust the uncontaminated packaging to a licensed waste contractor.
European List of Waste (LoW) code	: 20 01 26* - oil and fat other than those mentioned in 20 01 25

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

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14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable on	Entry title or description
3(c)	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

General revision.

Section	Changed item	Change	Comments
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Labelling according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.3	Results of PBT and vPvB assessment	Added	
3.2	Components	Modified	
8.1	DNEL	Added	
8.1	PNEC	Added	
8.2	Personal protective equipment	Modified	
9	Physical and chemical properties	Modified	
11.1	Toxicological information	Modified	

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12.	Ecological information	Modified
13.1	HP Code	Removed
15	Regulatory information	Modified
16	Other information	Modified

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : MSDS of the supplier. Information provided by the manufacturer. ECHA (European Chemicals Agency).

Department issuing data : KFT Chemieservice GmbH
specification sheet: Im Leuschnerpark. 3 64347 Griesheim
Germany

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Contact person : Dr. Barbara Ridder

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
H302	Harmful if swallowed.

KRONES celerol LU 7610

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

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.
EUH208	Contains Benzenesulfonic acid, C10-16-alkyl derivs, calcium salts, Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs, calcium salts. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

KFT SDS EU 00

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.