Food Lube Extreme 400g

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

* **1.1. Product identifier**

Trade name/designation:

Food Lube Extreme 400g

Article No.:
T203001

UFI:
PRYN-TDSC-M5GD-0NY6

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

Use of the substance/mixture:
Lubricating agent

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

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

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

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Reproductive toxicity *(Repr. 2)*	H361f: Suspected of damaging fertility. ( )	Calculation method.

* **2.2. Label elements**

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

Hazard pictograms:

GHS08
Health hazard

Signal word: Warning

Hazard components for labelling:
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

Hazard statements for health hazards	
H361f	Suspected of damaging fertility. ( )

Supplemental hazard information	
EUH208	Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts; Sulfonic acids, petroleum, sodium salts; Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. May produce an allergic reaction.

Precautionary statements Prevention	
P280	Wear protective gloves.

Precautionary statements Response	
P308 + P313	IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

Other adverse effects:
This mixture does not contain substances classified as PBT or vPvB substances.
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 70024-69-0 EC No.: 274-263-7 REACH No.: 01-2119492616-28	**Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts** Skin Sens. 1B (H317) Warning **Specific concentration limit (SCL)** Skin Sens. 1B; H317: 10% ≤ C < 100% **Acute Toxicity Estimate** ATE (oral) > 16,000 mg/kg ATE (dermal) > 4,000 mg/kg ATE (inhalation, dust/mist) > 5 mg/L	5 – < 10 %
CAS No.: 68411-46-1 EC No.: 270-128-1 REACH No.: 01-2119491299-23	**Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** Aquatic Chronic 3 (H412), Repr. 2 (H361f) Warning **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, dust/mist) > 5 mg/L	5 – < 10 %
CAS No.: 61789-86-4 EC No.: 263-093-9 REACH No.: 01-2119488992-18	**Sulfonic acids, petroleum, calcium salts** Skin Sens. 1B (H317) Warning **Specific concentration limit (SCL)** Skin Sens. 1B; H317: 10% ≤ C < 100% **Acute Toxicity Estimate** ATE (oral) > 16,000 mg/kg ATE (dermal) > 5,000 mg/kg	5 – < 10 %

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 68584-23-6 EC No.: 271-529-4 REACH No.: 01-2119492627-25	**Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts** Skin Sens. 1B (H317) Warning **Specific concentration limit (SCL)** Skin Sens. 1B; H317: 10% ≤ C < 100% **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, dust/mist) > 5 mg/L	5 – < 10 %
CAS No.: 26264-06-2 EC No.: 247-557-8 REACH No.: 01-2120122335-68	**calcium dodecylbenzenesulphonate** Acute Tox. 4 (H302), Aquatic Chronic 4 (H413), Eye Dam. 1 (H318), Skin Irrit. 2 (H315) Danger **Acute Toxicity Estimate** ATE (oral) 1,300 mg/kg ATE (dermal) 2,000 mg/kg	1 – < 3 %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

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4.1. Description of first aid measures

General information:
First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation:
Remove person to fresh air and keep comfortable for breathing. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact:
Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. When in doubt or if symptoms are observed, get medical advice.

After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms occur or persist, consult an ophthalmologist.

Following ingestion:
Observe risk of aspiration if vomiting occurs. Call a physician in any case!

Self-protection of the first aider:
Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed
Headache, Nausea, Dizziness, Fatigue, Skin irritation

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water mist, Foam, Carbon dioxide (CO2), Extinguishing powder

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture
Incomplete combustion and thermolysis can produce gases of varying toxicity. In the case of products containing hydrocarbons, e.g. CO, CO2, aldehydes and soot. These can be very dangerous if inhaled in high concentrations or in enclosed spaces.

5.3. Advice for firefighters
Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

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5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use personal protection equipment. First aider: Pay attention to self-protection!

6.1.2. For emergency responders

Personal protection equipment:
Fight fire with normal precautions from a reasonable distance.

6.2. Environmental precautions
Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

6.3. Methods and material for containment and cleaning up

For containment:
Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up:
Clean contaminated articles and floor according to the environmental legislation.

Other information:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections
Further information on proper storage: see section 7.
For further information on personal protective equipment: see section 8.
For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
Observe instructions for use.
Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
When using do not eat, drink, smoke, sniff.
Wear personal protection equipment (refer to section 8).
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.
Avoid contact with eyes and skin.

Fire prevent measures:
Keep away from sources of ignition - No smoking.

Advices on general occupational hygiene
Avoid exposure - obtain special instructions before use. Wear suitable work clothing. Draw up and observe skin protection programme.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:
Keep container tightly closed. Observe legal rules and regulations.

Hints on storage assembly:
Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances. Keep away from food, drink and animal feed.

Storage class (TRGS 510, Germany): 11 – Combustible solids that cannot be assigned to any of the above storage classes

Further information on storage conditions:
Store in a cool dry place. Observe legal rules and regulations.

* **7.3. Specific end use(s)**
No data available

SECTION 8: Exposure controls/personal protection

* **8.1. Control parameters**

8.1.1. Occupational exposure limit values
No data available

8.1.2. Biological limit values
No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	11.75 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	2.9 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	3.33 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	1.667 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	1.03 mg/cm²	① DNEL worker ② Long-term - dermal, local effects
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	0.513 mg/cm²	① DNEL Consumer ② Long-term - dermal, local effects
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	0.833 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.6 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.14 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.08 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.04 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.04 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	11.75 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	2.9 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	3.33 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	1.667 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	1.03 mg/cm²	① DNEL worker ② Long-term - dermal, local effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	0.513 mg/cm²	① DNEL Consumer ② Long-term - dermal, local effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	0.833 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	52 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	26 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	52 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	26 mg/m³	① DNEL Consumer ② Acute - inhalation, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	52 mg/m³	① DNEL worker ② Long-term – inhalation, local effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	26 mg/m³	① DNEL Consumer ② Long-term – inhalation, local effects

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Substance name	DNEL value	① DNEL type ② Exposure route
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	52 mg/m³	① DNEL worker ② Acute - inhalation, local effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	26 mg/m³	① DNEL Consumer ② Acute - inhalation, local effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	57.2 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	28.6 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	80 mg/kg bw/day	① DNEL worker ② Acute – dermal, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	40 mg/kg bw/day	① DNEL Consumer ② Acute – dermal, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	1.57 mg/cm²	① DNEL worker ② Long-term - dermal, local effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	0.787 mg/cm²	① DNEL Consumer ② Long-term - dermal, local effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	1.57 mg/m³	① DNEL worker ② Acute - dermal, local effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	0.787 mg/cm²	① DNEL Consumer ② Acute - dermal, local effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	13 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	13 mg/kg bw/day	① DNEL Consumer ② Acute – oral, systemic effects

Substance name	PNEC Value	① PNEC type
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	1	① PNEC aquatic, freshwater
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	1	① PNEC aquatic, marine water
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	1,000	① PNEC sewage treatment plant
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	226,000,000	① PNEC sediment, freshwater
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	226,000,000	① PNEC sediment, marine water

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Substance name	PNEC Value	① PNEC type
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	271,000,000	① PNEC soil
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	10	① PNEC secondary poisoning
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7	16.667	① PNEC secondary poisoning
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.034 mg/L	① PNEC aquatic, freshwater
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.003 mg/L	① PNEC aquatic, marine water
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	10 mg/L	① PNEC sewage treatment plant
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.446 mg/kg	① PNEC sediment, freshwater
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.045 mg/kg	① PNEC sediment, marine water
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	1.76 mg/kg	① PNEC soil
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1	0.51 mg/L	① PNEC aquatic, intermittent release
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	1 mg/L	① PNEC aquatic, freshwater
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	1 mg/L	① PNEC aquatic, marine water
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	1,000 mg/L	① PNEC sewage treatment plant
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	226,000,000 mg/kg	① PNEC sediment, freshwater
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	226,000,000 mg/kg	① PNEC sediment, marine water

Substance name	PNEC Value	① PNEC type
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	271,000,000 mg/kg	① PNEC soil
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	16.667 mg/kg	① PNEC secondary poisoning
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	10 mg/L	① PNEC aquatic, intermittent release
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	0.28 mg/L	① PNEC aquatic, freshwater
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	0.458 mg/L	① PNEC aquatic, marine water
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	50 mg/L	① PNEC sewage treatment plant
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	27.5 mg/kg	① PNEC sediment, freshwater
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	2.75 mg/kg	① PNEC sediment, marine water
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	25 mg/kg	① PNEC soil
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	20 mg/kg	① PNEC secondary poisoning
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8	0.654 mg/L	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

8.2.2. Personal protection equipment

Eye/face protection:

Suitable eye protection: Safety goggles with side shields (EN 166).

Skin protection:

Hand protection:
Use protective skin cream before handling the product. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Suitable material: NBR (Nitrile rubber)
Breakthrough time: 480 min.
Thickness of the glove material: 0,45 mm
EN ISO 374

Body protection:

Wear suitable work clothing. Take off immediately all contaminated clothing and wash it before reuse.

Respiratory protection:
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
If the relevant occupational exposure limits are exceeded, the following must be observed: Suitable respiratory protective device: Combination filter device (DIN EN 141). Filter unit with filter or blower filter unit type: A
Observe the wear time limits as specified by the manufacturer.
Observe legal rules and regulations.

8.2.3. Environmental exposure controls
Observe legal rules and regulations.

SECTION 9: Physical and chemical properties

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

Appearance

Physical state: solid
Form: pasty
Colour: cream
Odour: solvent-like
flammability: No data available

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	*not applicable*	② insoluble in: Water
Melting point	*No data available*	
Freezing point	*No data available*	
Initial boiling point and boiling range	> 100 °C	
Flash point	> 200 °C	
Evaporation rate	*No data available*	
Vapour pressure	*No data available*	
Density	0.9225 g/cm³	
Bulk density	*No data available*	
Water solubility	practically insoluble	

particle characteristics:
No data available

* ### 9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

* ### 10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

10.5. Incompatible materials
Oxidizing agent. Pyrophoric or self-heating substances.

10.6. Hazardous decomposition products

Incomplete combustion and thermolysis can produce gases of varying toxicity. In the case of products containing hydrocarbons, e.g. CO, CO2, aldehydes and soot. These can be very dangerous if inhaled in high concentrations or in enclosed spaces.

Further information

Do not mix with other chemicals.

SECTION 11: Toxicological information

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

Toxicological information

Acute Toxicity Estimate for Mixtures
ATE (oral): >5,000 mg/kg
ATE (dermal): >2,000 mg/kg
ATE (inhalation, vapour): >20 mg/L
ATE (inhalation, dust/mist): >5 mg/L
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7
LD_{50} oral: >16,000 mg/kg (Rat) other: Section 772.112-21 CFR 40
LD_{50} dermal: >4,000 mg/kg (Rabbit) other: 40 CFR, Section 163.81-2, Federal
LC_{50} Acute inhalation toxicity (dust/mist): >5 mg/L (Rat)
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1
LD_{50} oral: >5,000 mg/kg (Rat) other: Section 772 .112-21 CFR 40
LD_{50} dermal: >2,000 mg/kg (Rat) OECD 402
LC_{50} Acute inhalation toxicity (dust/mist): >5 mg/L 4 h (Rat) Study report (year n/a)
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9
LD_{50} oral: >16,000 mg/kg (Rat)
LD_{50} dermal: >5,000 mg/kg (Rabbit) OECD 402
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts CAS No.: 68584-23-6 EC No.: 271-529-4
LD_{50} oral: >5,000 mg/kg (Rat)
LD_{50} dermal: >5,000 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (dust/mist): >5 mg/L (Rat)
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8
LD_{50} oral: 1,300 mg/kg (Rat) other: Defined oral LD_{50}.
LD_{50} dermal: 2,000 mg/kg (Rabbit) Method: other: Test material was applied

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:
May cause allergic reactions. Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts; Sulfonic acids, petroleum, calcium salts; Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity:
Suspected of damaging fertility. (Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene)

STOT-single exposure:
May cause drowsiness or dizziness. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

Aspiration hazard:
Based on available data, the classification criteria are not met.

Additional information:
Information on probable routes of exposure: oral, inhalation, Dermal, Eye contact
Reference to other sections: 2.1, 4.2

* 11.2. Information on other hazards

Endocrine disrupting properties:
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

* 12.1. Toxicity

Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7
LC_{50}: >10,000 mg/L 4 d (fish, Cyprinus carpio) EPA OTS 797.1050
EC_{50}: >1,000 mg/L 2 d (crustaceans, Daphnia magna) OECD 209
ErC_{50}: >1,000 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) EPA OTS 797.1300
LC_{50}: >10,000 mg/L 4 d (Cyprinus carpio)
EC_{50}: >1,000 mg/L 2 d (crustaceans, Daphnia magna) EPA OTS 797.1300
EC_{50}: >10,000 mg/L (Activated sludge (domestic)) OECD 209
ErC_{50}: >1,000 mg/L 3 d (Pseudokirchneriella subcapitata) EPA OTS 797.1050
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1
LC_{50}: >100 mg/L 4 d (fish, Danio rerio) OECD 203
ErC_{50}: >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201
EC_{50}: >51 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
LC_{50}: >100 mg/L 4 d (Danio rerio) OECD 203
EC_{50}: 51 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
ErC_{50}: >100 mg/L 3 d (Desmodesmus subspicatus) OECD 201
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9
EC_{50}: >1,000 mg/L 2 d (crustaceans, Daphnia magna) EPA OTS 797.1300
EC_{50}: >10,000 mg/L (activated sludge of a predominantly domestic sewag) OECD 209
ErC_{50}: >1,000 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) EPA OTS 797.1050
EC_{50}: >10,000 mg/L (Activated sludge (domestic)) OECD 209
ErC_{50}: >1,000 mg/L 3 d (Pseudokirchneriella subcapitata) EPA OTS 797.1050
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts CAS No.: 68584-23-6 EC No.: 271-529-4
LC_{50}: >10,000 mg/L 4 d (fish, Oncorhynchus mykiss)
ErC_{50}: >1,000 mg/L 4 d (Algae/water plant, Scenedesmus subspicatus)
EC_{50}: >1,000 mg/L 2 d (crustaceans, Daphnia magna)
LC_{50}: >10,000 mg/L 4 d (Oncorhynchus mykiss)
ErC_{50}: >1,000 mg/L 4 d (Scenedesmus subspicatus)

calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8
LC_{50}: 1.74 mg/L 4 d (fish, Fishes species) other: QSAR
ErC_{50}: 65.4 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201
EC_{50}: 1.276 mg/L 2 d (crustaceans, Daphnid species) other: QSAR model
NOEC: 0.23 mg/L 28 d (fish, Fish species) other: QSAR
NOEC: 1.65 mg/L 21 d (crustaceans, Daphnia magna) OECD 211
LC_{50}: 1.74 mg/L 4 d (Fish (unspecified)) QSAR
EC_{50}: 1,276 mg/L 2 d (crustaceans, Daphnia (unspecified)) QSAR model
NOEC: 0.23 mg/L (Fish (unspecified)) QSAR
ErC_{50}: 65.4 mg/L 3 d (Pseudokirchneriella subcapitata) OECD 201

Additional ecotoxicological information:
The product is not: Ecotoxic

12.2. Persistence and degradability

Additional information:
There are no data available on the mixture itself. AOX (mg/l): 0

* 12.3. Bioaccumulative potential

Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7
Log K_{OW}: 18.05
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1
Log K_{OW}: > 6
Bioconcentration factor (BCF): 411
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9
Log K_{OW}: > 4.46
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8
Log K_{OW}: 4.77
Bioconcentration factor (BCF): 70.79

* 12.4. Mobility in soil

No data available

* 12.5. Results of PBT and vPvB assessment

Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts CAS No.: 70024-69-0 EC No.: 274-263-7
Results of PBT and vPvB assessment: —
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene CAS No.: 68411-46-1 EC No.: 270-128-1
Results of PBT and vPvB assessment: —
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9
Results of PBT and vPvB assessment: —
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts CAS No.: 68584-23-6 EC No.: 271-529-4
Results of PBT and vPvB assessment: —
calcium dodecylbenzenesulphonate CAS No.: 26264-06-2 EC No.: 247-557-8
Results of PBT and vPvB assessment: —

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

* 12.7. Other adverse effects

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
water hazard class 2: obviously hazardous to water

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

12 01 12 *	spent waxes and fats

**: Evidence for disposal must be provided.*

Waste code packaging

15 01 10 *	packaging containing residues of or contaminated by dangerous substances

**: Evidence for disposal must be provided.*

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
* **14.3. Transport hazard class(es)**			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

Regulation (EC) No 1907/2006 ANNEX XVII

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

* 16.1. Indication of changes

1.1.	Product identifier
1.3.	Details of the supplier of the safety data sheet
2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
5.4.	Additional information
7.3.	Specific end use(s)
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
9.2.	Other information
10.3.	Possibility of hazardous reactions
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
11.2.	Information on other hazards
12.1.	Toxicity
12.3.	Bioaccumulative potential
12.4.	Mobility in soil
12.5.	Results of PBT and vPvB assessment
12.7.	Other adverse effects
14.3.	Transport hazard class(es)
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
16.5.	List of relevant hazard statements and/or precautionary statements from sections 2 to 15

* 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
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
AOX	Adsorbable Organic halogen compounds
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development

OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
QSAR	Quantitative Structure-Activity Relationship
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
ZNS	central nervous system

16.3. Key literature references and sources for data
No data available

* 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Reproductive toxicity *(Repr. 2)*	H361f: Suspected of damaging fertility. ( )	Calculation method.

* 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361f	Suspected of damaging fertility.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

16.6. Training advice
No data available

16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.