

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 7 Nov 2023

Print date: 27 Nov 2023

Version: 4



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Biotex 200l

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

1.1. Product identifier

Trade name/designation:

Biotex 200l

Article No.:

T103200

UFI:

CHYJ-3E2R-R09A-QT1S

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

Use of the substance/mixture:

EuPCS: PC-CLN-2 All-purpose (or multi-purpose) cleaner, non-abrasive Process categories [PROC]: 8, 10, 11 Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Supplier:

Techniqua Handels GmbH

Hartleitnerstraße 3

4653 Eberstalzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: office@techniqua.at

Supplier:

TECH-MASTERS Austria GmbH

Kallham 7

4720 Kallham

Austria

Telephone: +43 7733 20090

Telefax: +43 7733 20092

E-mail: info@tech-masters.at

Website: www.tech-masters.eu/at

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
Corrosive to metals (<i>Met. Corr. 1</i>)	H290: May be corrosive to metals.	
Skin corrosion/irritation (<i>Skin Corr. 1</i>)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	

2.2. Label elements

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

Hazard pictograms:



GHS05

Corrosion

Signal word: Danger

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Hazard components for labelling:

sodium hydroxide

Hazard statements for physical hazards

H290 May be corrosive to metals.

Hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

Supplemental hazard information: none

Precautionary statements Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ .

Precautionary statements Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P310 Immediately call a POISON CENTER/doctor/ .

2.3. Other hazards

Other adverse effects:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 78330-21-9 EC No.: 616-609-5	Alkyl polyethoxilate Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318) Danger	1 - < 5 weight-%
CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH No.: 01-2119457558-25	propan-2-ol Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) Danger	1 - < 5 weight-%
CAS No.: 112-34-5 EC No.: 203-961-6 Index No.: 603-096-00-8 REACH No.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol Eye Irrit. 2 (H319) Warning	1 - < 5 weight-%
CAS No.: 68411-30-3 EC No.: 270-115-0 REACH No.: 01-2119489428-22	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts Acute Tox. 4 (H302), Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), Skin Irrit. 2 (H315) Danger	1 - < 5 weight-%
CAS No.: 1310-73-2 EC No.: 215-185-5 Index No.: 011-002-00-6 REACH No.: 01-2119457892-27	sodium hydroxide Met. Corr. 1 (H290), Skin Corr. 1A (H314) Danger Specific concentration limit (SCL) Skin Corr. 1A; H314: C ≥ 5% Skin Corr. 1B; H314: 2% ≤ C < 5% Skin Irrit. 2; H315: 0.5% ≤ C < 2% Eye Dam. 1; H318: C ≥ 2% Eye Irrit. 2; H319: 0.5% ≤ C < 2%	< 1 weight-%

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Remove contaminated, saturated clothing immediately.

Following inhalation:

Provide fresh air.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water.

Following ingestion:

Rinse out mouth immediately and drink plenty of water. Do NOT induce vomiting.

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

No data available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet alcohol resistant foam Carbon dioxide Extinguishing powder

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

Carbon dioxide Carbon monoxide

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

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:

Ventilate affected area.

6.1.2. For emergency responders

Personal protection equipment:

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Treat the recovered material as prescribed in the section on waste disposal. Additional information Collect in closed and suitable containers for disposal. Ventilate affected area.

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6.4. Reference to other sections

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid contact with skin, eyes and clothes. Do not mix with other chemicals. Use personal protection equipment. The usual precautions when handling chemicals must be observed. Do not eat, drink, smoke or snort while working. Do not inhale dust/fume/mist. Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work. When using the HD method or spraying over large areas: Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas. Absorb spillage to prevent material damage.

Fire prevent measures:

No special fire protection measures are necessary.

Advices on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep container tightly closed. Keep/Store only in original container.

Hints on storage assembly:

No special measures are necessary.

Storage class (TRGS 510, Germany): 8B – Non-combustible corrosive substances

Further information on storage conditions:

No further relevant information available.

7.3. Specific end use(s)

Recommendation:

Cleaning agent GISCODE/Produkt-Code: GG 70

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	② 800 ppm (2,000 mg/m ³) ⑤ (max. 4x15 min./Schicht)
MAK (AT)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³)
MAK (AT) from 11 Sept 2007	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	② 15 ppm (101.2 mg/m ³) ⑤ (max. 4x15 min./Schicht)
IOELV (EU)	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67.5 mg/m ³) ② 15 ppm (101.2 mg/m ³)
MAK (AT) from 11 Sept 2007	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67.5 mg/m ³)

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Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5	② 4 mg/m ³ ⑤ (eintembare Fraktion max. 8x5 min./Schicht, Momentanwert)
MAK (AT)	sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5	① 2 mg/m ³ ⑤ (eintembare Fraktion)

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
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	500 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	89 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	888 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	319 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	26 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	40.5 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	67.5 mg/m ³	① DNEL worker ② Long-term - inhalation, local effects
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	40.5 mg/m ³	① DNEL Consumer ② Long-term - inhalation, local effects
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	101.2 mg/m ³	① DNEL worker ② Acute - inhalation, local effects
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	60.7 mg/m ³	① DNEL Consumer ② Acute - inhalation, local effects
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	83 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	50 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	6.25 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	5 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0	12 mg/m ³	① DNEL worker ② Long-term – inhalation, systemic effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0	12 mg/m ³	① DNEL worker ② Long-term – inhalation, local effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0	170 mg/m ³	① DNEL worker ② Long-term – dermal, systemic effects
sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5	1 mg/m ³	① DNEL worker ② Long-term – inhalation, local effects
sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5	1 mg/m ³	① DNEL Consumer ② Long-term – inhalation, local effects

Substance name	PNEC Value	① PNEC type
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, freshwater
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, marine water
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	2,251 mg/L	① PNEC sewage treatment plant
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	552 mg/kg	① PNEC sediment, freshwater
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	552 mg/kg	① PNEC sediment, marine water
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	28 mg/kg	① PNEC soil
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, intermittent release
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	1.1 mg/L	① PNEC aquatic, freshwater
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	0.11 mg/L	① PNEC aquatic, marine water
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	200 mg/L	① PNEC sewage treatment plant
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	4.4 mg/kg	① PNEC sediment, freshwater
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	0.44 mg/kg	① PNEC sediment, marine water
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	0.32 mg/kg	① PNEC soil

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Substance name	PNEC Value	① PNEC type
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	56 mg/kg	① PNEC secondary poisoning

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment



Eye/face protection:

Wear eye/face protection. (EN 166)

Skin protection:

Hand protection Wear suitable protective clothing when working.>10 min.Suitable material: NBR (Nitrile rubber) Thickness of the glove material $\geq 0,1$ mm. A list of suitable makes with detailed information on wearing time is available on request.Diluted application solutions $\leq 1\%$:

Protective gloves may be dispensed with, provided equivalent protective measures are taken, taking into account increased skin exposure due to wet work (e.g. use of suitable skin protection ointments). Body protection: Wear suitable work clothing.

Respiratory protection:

When using the HD method or spraying over large areas: combination filter A1/P2 (EN 143, EN 14387).

Thermal hazards:

No further relevant information available.

8.2.3. Environmental exposure controls

SECTION 6: Accidental release measures

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: orange

Odour: Perfumes, fragrances

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	11.5 - 12.5	20 °C	
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	100 °C		
Flash point	> 60 °C		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	1 g/cm ³	20 °C	
Bulk density	not applicable		
Water solubility	No data available		
Dynamic viscosity	< 10 mPa·s	25 °C	
Kinematic viscosity	No data available		

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9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Corrosive to metals. Exothermic reaction with: Acid

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Corrosive to metals. Exothermic reaction with: Acid

10.4. Conditions to avoid

The product is stable under storage at normal ambient temperatures.

10.5. Incompatible materials

Corrosive to metals. Acid

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Alkyl polyethoxilate	CAS No.: 78330-21-9	EC No.: 616-609-5
LD₅₀ oral: 500 mg/kg (Rat)		
LD₅₀ dermal: >2,000 mg/kg (Rat)		
LC₅₀ Acute inhalation toxicity (vapour): >5 mg/L (Rat)		
LC₅₀ Acute inhalation toxicity (dust/mist): >5 mg/L (Rat)		
propan-2-ol	CAS No.: 67-63-0	EC No.: 200-661-7
LD₅₀ oral: >2,000 mg/kg (Rat)		
LD₅₀ dermal: >2,000 mg/kg (Rat)		
LC₅₀ Acute inhalation toxicity (gas): >25 ppmV (Rat)		
LC₅₀ Acute inhalation toxicity (vapour): >20 mg/L (Rat)		
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5	EC No.: 203-961-6
LD₅₀ oral: >2,000 mg/kg (Rat)		
LD₅₀ dermal: >2,000 mg/kg (Rat)		
LC₅₀ Acute inhalation toxicity (vapour): >20 mg/L (Rat)		
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	CAS No.: 68411-30-3	EC No.: 270-115-0
LD₅₀ oral: 500 mg/kg (Rat)		
LD₅₀ dermal: >300 - 2,000 mg/kg (Rat) OECD 402		
LC₅₀ Acute inhalation toxicity (dust/mist): >5 mg/L (Rat)		
sodium hydroxide	CAS No.: 1310-73-2	EC No.: 215-185-5
LD₅₀ oral: >2,000 mg/kg (Rat)		
LD₅₀ dermal: >2,000 mg/kg (Rat)		
LC₅₀ Acute inhalation toxicity (dust/mist): >5 mg/L		

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

Serious eye damage/irritation:

Causes serious eye damage.

Carcinogenicity:

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

STOT-single exposure:

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

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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.

11.2. Information on other hazards

Other information:

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Alkyl polyethoxilate	CAS No.: 78330-21-9	EC No.: 616-609-5
LC ₅₀ :	≈1 mg/L	4 d (fish)
EC ₅₀ :	>1 mg/L	2 d (crustaceans)
ErC ₅₀ :	>1 mg/L	(Algae/water plant)
propan-2-ol	CAS No.: 67-63-0	EC No.: 200-661-7
LC ₅₀ :	9,640 mg/L	4 d (fish, Pimephales promelas)
LC ₅₀ :	>1,000 mg/L	4 d (fish)
EC ₅₀ :	>100 mg/L	(Algae/water plant)
EC ₅₀ :	>100 mg/L	2 d (crustaceans, Daphnia magna)
EC ₅₀ :	>1,000 mg/L	2 d (crustaceans)
ErC ₅₀ :	>100 mg/L	3 d (Algae/water plant, Desmodesmus subspicatus)
LOEC:	1,000 mg/L	(Algae/water plant, Algae)
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5	EC No.: 203-961-6
LC ₅₀ :	2,780 mg/L	4 d (fish, Pimephales promelas)
LC ₅₀ :	1,300 mg/L	4 d (fish, Lepomis macrochirus)
EC ₅₀ :	>100 mg/L	2 d (crustaceans, Daphnia magna)
ErC ₅₀ :	>100 mg/L	(Algae/water plant, Scenedesmus subspicatus)
EC ₅₀ :	4,950 mg/L	2 d (crustaceans, Daphnia magna)
ErC ₅₀ :	>100 mg/L	(Algae/water plant, Scenedesmus subspicatus)
EC ₅₀ :	4,950 mg/L	(crustaceans)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	CAS No.: 68411-30-3	EC No.: 270-115-0
LC ₅₀ :	>1 mg/L	4 d (fish)
EC ₅₀ :	>1 mg/L	2 d (crustaceans)
NOEC:	0.25 mg/L	(fish)
NOEC:	2.4 mg/L	3 d (Algae/water plant, Scenedesmus subspicatus)
ErC ₅₀ :	>1 mg/L	(Algae/water plant)
LOEC:	0.51 mg/L	(Algae/water plant, Scenedesmus subspicatus)
sodium hydroxide	CAS No.: 1310-73-2	EC No.: 215-185-5
LC ₅₀ :	125 mg/L	4 d (fish, Poecilia reticulata)
EC ₅₀ :	40.4 mg/L	2 d (crustaceans, Daphnia magna)
LC ₅₀ :	125 mg/L	4 d (fish, Gambusia affinis (Mosquito fish))
EC ₅₀ :	40.4 mg/L	2 d (fish, Ceriodaphnia spec)

12.2. Persistence and degradability

Alkyl polyethoxilate	CAS No.: 78330-21-9	EC No.: 616-609-5
Biodegradation:	Yes, rapidly	
Remark:	Readily biodegradable (according to OECD criteria).	
propan-2-ol	CAS No.: 67-63-0	EC No.: 200-661-7
Biodegradation:	Yes, rapidly	
Remark:	Readily biodegradable (according to OECD criteria).	

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2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

Biodegradation: Yes, rapidly

Remark: Readily biodegradable (according to OECD criteria).

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0

Biodegradation: Yes, rapidly

Biodegradation:

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

Log K_{OW}: 0.05

2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

Log K_{OW}: 0.56

Bioconcentration factor (BCF):

No indication of bioaccumulation potential.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Alkyl polyethoxilate CAS No.: 78330-21-9 EC No.: 616-609-5

Results of PBT and vPvB assessment: —

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

Results of PBT and vPvB assessment: —

2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

Results of PBT and vPvB assessment: —

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS No.: 68411-30-3 EC No.: 270-115-0

Results of PBT and vPvB assessment: —

sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5

Results of PBT and vPvB assessment: —

12.6. 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.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

07 06 01 * aqueous washing liquids and mother liquors

*: Evidence for disposal must be provided.

Waste code packaging

15 01 02 Plastic packaging

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

UN 1719

UN 1719

UN 1719

UN 1719

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.2. UN proper shipping name			
ÄTZENDER ALKALISCHER FLÜSSIGER STOFF, N.A.G. (Natriumhydroxid) (Natriumhydroxid)	ÄTZENDER ALKALISCHER FLÜSSIGER STOFF, N.A.G. (Natriumhydroxid) (Natriumhydroxid)	CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)	CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)
14.3. Transport hazard class(es)			
 8	 8	 8	 8
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
No data available	No data available	No data available	No data available
14.6. Special precautions for user			
Special Provisions: Keine besonderen Vorsichtsmaßnahmen erforderlich. Limited quantity (LQ): 5 L Hazard identification number (Kemler No.): 80 Classification code: C5 Tunnel restriction code: (E)	Special Provisions: Keine besonderen Vorsichtsmaßnahmen erforderlich. Limited quantity (LQ): 5 L Classification code: C5	Special Provisions: Keine besonderen Vorsichtsmaßnahmen erforderlich. Limited quantity (LQ): 5 L EmS-No.: F-A, S-B	Special Provisions: Keine besonderen Vorsichtsmaßnahmen erforderlich. Limited quantity (LQ): 1 L Y841

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

No data available

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

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
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC ₅₀	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario

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EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
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
PC	Product category
PNEC	Predicted No Effect Concentration
PROC	Process Category
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
Corrosive to metals (<i>Met. Corr. 1</i>)	H290: May be corrosive to metals.	
Skin corrosion/irritation (<i>Skin Corr. 1</i>)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available