

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

1.1 Product identifier

Trade name: **BIKE CLEAN**

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

No further relevant information available.

Application of the substance / the mixture

Cleaning material/ Detergent

Only for proper handling.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

MOTOREX AG
Bern-Zürich-Strasse 31, Postfach
CH-4901 Langenthal
Tel. +41 (0)62 919 75 75
www.motorex.com

Further information obtainable from: msds@motorex.com

1.4 Emergency telephone number:

In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS07

Signal word *Warning*

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P264 Wash thoroughly after handling.

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.

Additional information:

Contains biocidal products: 1,2-benzisothiazol-3(2H)-one

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

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· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**· **Description:** Mixture of substances· **Dangerous components:**

CAS: 7320-34-5 EINECS: 230-785-7 Reg.nr.: 01-2119489369-18	tetrapotassium pyrophosphate ----- Eye Irrit. 2, H319	≥2.5-≤7.5%
CAS: 68551-13-3	alcohols, C12-15 ethoxylated propoxylated ----- Eye Irrit. 2, H319	1-2.5%
CAS: 68411-30-3 EINECS: 270-115-0 Reg.nr.: 01-2119489428-22	Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts ----- Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥1-<2.5%
CAS: 28348-53-0 EINECS: 248-983-7 Reg.nr.: 01-2120759186-46	sodium cumenesulphonate ----- Eye Irrit. 2, H319	1-2.5%
CAS: 26183-52-8 NLP: 500-046-6 Reg.nr.: 01-2120825755-48	Decan-1-ol, ethoxylated ----- Eye Irrit. 2, H319	≥0.25-≤1%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60	1,2-benzisothiazol-3(2H)-one ----- Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥0.036 %	≥0-<0.025%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

phosphates, anionic surfactants, non-ionic surfactants, perfumes, preservation agents (BENZISOTHIAZOLINONE)	<5%
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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**· **After inhalation:** Supply fresh air; consult doctor in case of complaints.· **After skin contact:**

Wash affected skin thoroughly with water.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Rinse mouth and immediately consult a physician· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

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- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Do not use aluminium as material of construction for equipment (tanks, pumps, gaskets etc.).
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
The recommended storage temperature is (deg.C): 5-50°C
Avoid freezing.
Keep container tightly sealed.
- **Storage class:** 12
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNELs

7320-34-5 tetrapotassium pyrophosphate

Inhalative	DNEL / Workers / Systemic effects / Long-term	17.63 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	4.35 mg/m ³ (consumer)

68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts

Oral	DNEL/general population/Systemic effects/Long-term	0.425 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	119 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	42.5 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	7.6 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	1.3 mg/m ³ (consumer)

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28348-53-0 sodium cumenesulphonate

Oral	DNEL/general population/Systemic effects/Long-term	1.14 mg/kg/24h (consumer)
	DNEL/general pop/Systemic effects/acute-short term	70 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Local Effects / Long-term	4.49 mg/cm2 (worker)
	DNEL / Workers / Systemic effects / Long-term	32 mg/kg/24h (worker)
	DNEL/Workers/Systemic effects/acute-short term	20 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	16 mg/kg/24h (consumer)
Inhalative	DNEL/general pop/Systemic effects/acute-short term	40 mg/kg/24h (consumer)
	DNEL/general population/Local effects/Long-term	0.45 mg/cm2 (consumer)
	DNEL / Workers / Systemic effects / Long-term	4.02 mg/m3 (worker)
	DNEL/Workers/Systemic effects/acute-short term	770 mg/m3 (worker)
	DNEL/Workers/Local effects/acute-short term	770 mg/m3 (worker)
	DNEL / Workers / Local Effects / Long-term	4.02 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	1.98 mg/m3 (consumer)
	DNEL/general pop/Systemic effects/acute-short term	770 mg/m3 (consumer)
	DNEL/general pop/Local effects/acute-short term	770 mg/m3 (consumer)
	DNEL/general population/Local effects/Long-term	1.98 mg/m3 (consumer)

26183-52-8 Decan-1-ol, ethoxylated

Oral	DNEL/general population/Systemic effects/Long-term	25 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	2,080 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	1,250 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	294 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	87 mg/m3 (consumer)

2634-33-5 1,2-benzisothiazol-3(2H)-one

Dermal	DNEL / Workers / Systemic effects / Long-term	0.966 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	0.345 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	6.81 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	1.2 mg/m3 (consumer)

· PNECs**68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts**

PNEC / Aquatic organisms / Freshwater	0.268 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	0.0268 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	0.0167 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	3.43 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	8.1 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	6.8 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	35 mg/kg (terrestrial organisms)

28348-53-0 sodium cumenesulphonate

PNEC / Aquatic organisms / Freshwater	0.23 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	0.023 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	2.3 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	160 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	0.89 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	0.089 mg/kg (aquatic organisms)

26183-52-8 Decan-1-ol, ethoxylated

PNEC / Aquatic organisms / Freshwater	0.292 mg/l (aquatic organisms)
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PNEC / Aquatic organisms / Marine water	0.0292 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	0.0039 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	1.4 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	31.9 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	3.19 mg/kg (aquatic organisms)
2634-33-5 1,2-benzisothiazol-3(2H)-one	
PNEC / Aquatic organisms / Freshwater	0.00403 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	0.000403 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	0.0011 mg/l (aquatic organisms)
PNEC/Aquaticorg/intermittentreleases(marine water)	0.00011 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	1.03 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	0.0000499 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	0.00000499 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	3 mg/kg (terrestrial organisms)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Goggles recommended during refilling

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Liquid

· **Colour:**

Green

· **Odour:**

typical, characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

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· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH at 20 °C	9.3 (DIN 51369)
· Viscosity:	
· Kinematic viscosity	Not determined.
· Consistency	
· Dynamic:	Not determined.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Heat Capacity	
· Vapour pressure at 20 °C:	23 hPa
· Density and/or relative density	
· Density at 20 °C:	1.048 g/cm ³ (ASTM D 4052)
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Explosive properties:	Product does not present an explosion hazard.
· Solvent separation test:	
· VOC (EC)	0.00 %
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

7320-34-5 tetrapotassium pyrophosphate

Oral	LD50	2,440 mg/kg (rat) (OECD 401)
	NOEL	250 mg/kg/24h (rat)
	NOAEL	500 mg/kg/24h (rat)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50 / 4h	1.1 mg/l (rat) (OECD 403)

68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts

Oral	LD50	1,080 mg/kg (rat)
	NOAEL	133 mg/kg/24h (mouse) 40-310 mg/kg/24h (rat)
	LOAEL	300 mg/kg/24h (rat)
Dermal	LD50	>2,000 mg/kg (rat)
	NOAEL	2,500 mg/kg/24h (rat)

28348-53-0 sodium cumenesulphonate

Oral	LD50	7,000 mg/kg (rat)
	NOAEL	114-3,534 mg/kg/24h (rat)
	LOAEL	4,092 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
	NOAEL	2,000 mg/kg/24h (mouse) 800-1,030 mg/kg/24h (rat)
Inhalative	LC50 / 4h	770 mg/l (rat)

26183-52-8 Decan-1-ol, ethoxylated

Oral	LD50	5,050 mg/kg (rat)
	NOAEL	500 mg/kg/24h (rat)
Dermal	LD50	2,000-3,000 ml/kg (rabbit)
	LD50	2,000 mg/kg (rat)
Inhalative	LC50 / 6h	100 mg/m ³ (rat)
	LC50 / 4h	1.6 mg/l (rat)

2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral	LD50	490-670 mg/kg (rat)
	NOAEL	69-150 mg/kg/24h (rat)
Dermal	LD50	>2,000 mg/kg (rat)

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- **Primary irritant effect:**
- **Serious eye damage/irritation** Causes serious eye irritation.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

7320-34-5 tetrapotassium pyrophosphate

LC50	100 mg/l/96h (fish)
EC50	1,000 mg/l/3h (microorganisms)
EC50	100 mg/l/72h (aquatic algae and cyanobacteria)
EC50	100 mg/l/48h (aquatic invertebrates)
NOEC	100 mg/l/72h (aquatic algae and cyanobacteria)
NOEC	100 mg/l/96h (fish)
NOEC	100 mg/l/48h (aquatic invertebrates)
NOEC	1,000 mg/l/3h (microorganisms)

68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts

LC50	3.94 mg/l/96h (aquatic invertebrates)
	1.67-2.88 mg/l/96h (fish)
LC50	1.67 mg/l/21d (aquatic invertebrates)
LC50	1,000 mg/l/14d (terrestrial macroorganisms except arthropods)
LC50	0.96-1.1 mg/l/7d (aquatic invertebrates)
LC50	2.88 mg/l/24h (fish)
EC10	68-126 mg/kg/21d (terrestrial plants)
	6.2 mg/kg/21d (terrestrial macroorganisms except arthropods)
EC10	82-161 mg/kg/56d (terrestrial arthropods)
EC10	205 mg/kg/28d (terrestrial arthropods)
	46 mg/kg/28d (terrestrial macroorganisms except arthropods)
EC50	167-316 g/kg/14d (terrestrial plants)
EC50	6.4 mg/l/24h (aquatic invertebrates)
EC50	29 mg/l/96h (algae / cyanobacteria)
EC50	1.5-2.31 mg/l/21d (aquatic invertebrates)
EC50	2.9 mg/l/48h (aquatic invertebrates)
NOEC	0.25 g/kg/14d (terrestrial macroorganisms except arthropods)
NOEC	0.23 mg/l/72d (fish)
NOEC	100 g/kg/21d (terrestrial plants)
NOEC	0.081 g/kg/28d (sediment)
NOEC	1.18 mg/l/21d (aquatic invertebrates)
NOEC	0.5 mg/l/96h (algae / cyanobacteria)
NOEC	4 mg/l/28d (aquatic plants other than algae)
	1-3.2 mg/l/28d (fish)
LOEC	1 mg/l/96h (aquatic algae and cyanobacteria)
NOEC	200 mg/kg/72h (sediment)

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28348-53-0 sodium cumenesulphonate

LC50	450-70,241 mg/l/96h (fish)
LC50	27,334 mg/l/48h (aquatic invertebrates)
LC50	0.8903 g/kg/14d (sediment)
	0.8903 g/kg/14d (terrestr. macroorganisms (- arthropods))
EC10	560 mg/l (fish)
	3,200 mg/l (microorganisms)
EC10	1,954 mg/kg (terrestrial plants)
	178.07 mg/kg (terrestr. macroorganisms (- arthropods))
EC50	230-10,603.5 mg/l/96h (algae / cyanobacteria)
EC50	1,000 mg/l/72h (algae / cyanobacteria)
EC50	154 mg/l/21d (aquatic invertebrates)
EC50	450-1,000 mg/l/48h (aquatic invertebrates)
	16,000 mg/l/48h (microorganisms)
EC50	10,604 mg/kg (terrestrial plants)
	890.3 mg/kg (terrestr. macroorganisms (- arthropods))
NOEC	30 mg/l/21d (aquatic invertebrates)
NOEC	31 mg/l/96h (algae / cyanobacteria)
	560 mg/l/96h (fish)

26183-52-8 Decan-1-ol, ethoxylated

LC50	1.2 mg/l/96h (fish)
LC50	1 g/kg/14d (terrestr. macroorganisms (- arthropods))
EC50	140 mg/l/3h (microorganisms)
EC50	0.61-0.7 mg/l/24h (aquatic invertebrates)
EC10	0.62-1.1 mg/l/72h (algae / cyanobacteria)
EC50	0.18-1.8 mg/l/72h (algae / cyanobacteria)
EC50	0.39-2.5 mg/l/48h (aquatic invertebrates)
NOEC	100 g/kg/21d (terrestrial plants)
NOEC	0.77-1.75 mg/l/21d (aquatic invertebrates)
NOEC	0.4 mg/l/72h (algae / cyanobacteria)
NOEC	0.66 mg/l/96h (fish)

2634-33-5 1,2-benzisothiazol-3(2H)-one

LC50	2.15-22 mg/l/96h (fish)
LC50	0.41 g/kg/14d (terrestr. macroorganisms (- arthropods))
EC50	0.2-0.812 g/kg/14d (terrestrial plants)
EC10	10.3 mg/l (microorganisms)
EC10	30 mg/kg (terrestrial plants)
	263.7 mg/kg (soil microorganisms)
	234.5 mg/kg (terrestr. macroorganisms (- arthropods))
EC50	0.8115 g/kg/28d (soil microorganisms)
EC50	12.8-24 mg/l/3h (microorganisms)
EC50	0.07-0.15 mg/l/72h (algae / cyanobacteria)
EC50	2.9-2.94 mg/l/48h (aquatic invertebrates)
NOEC	0.03-0.812 g/kg/14d (terrestrial plants)
	0.234-0.411 g/kg/14d (terrestr. macroorganisms (- arthropods))
NOEC	0.2637 g/kg/28d (soil microorganisms)

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NOEC 0.04-0.055 mg/l/72h (algae / cyanobacteria)

NOEC 10.3-11 mg/l/3h (microorganisms)

- **12.2 Persistence and degradability** Biodegradability (OECD 302 B): >75 %

- **12.3 Bioaccumulative potential**

68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts

Partition coefficient	1.4 [---] (log Kow) (Bioaccumulation)
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Biodegradability	85 % (28d) (Biodegradability) (OECD 301 B)
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28348-53-0 sodium cumenesulphonate

Bioconcentration factor (BCF)	3.16 BCF (Bioaccumulation)
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26183-52-8 Decan-1-ol, ethoxylated

Partition coefficient	3.24-5 [---] (log Kow) (Bioaccumulation)
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2634-33-5 1,2-benzisothiazol-3(2H)-one

Partition coefficient	0.7 [---] (log Kow) (Bioaccumulation)
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- **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (according to Appendix 1 AwSV): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact waste processors for recycling information.

Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR/RID/ADN, ADN, IMDG, IATA**

Not classified as hazardous for transport

- **14.2 UN proper shipping name**

- **ADR/RID/ADN, ADN, IMDG, IATA**

Not classified as hazardous for transport

- **14.3 Transport hazard class(es)**

- **ADR/RID/ADN, ADN, IMDG, IATA**

- **Class**

Not classified as hazardous for transport

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- | | |
|---|---|
| · 14.4 Packing group | |
| · ADR/RID/ADN, IMDG, IATA | Not classified as hazardous for transport |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Not classified as hazardous for transport |

SECTION 15: Regulatory information

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

· Regulated explosives precursors

7664-38-2	phosphoric acid	30%
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· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

1310-73-2	sodium hydroxide	12% of total caustic alkalinity
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· Directive 2012/18/EU

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.

No special training instructions to ensure protection of human health and environment are required.

· **purity requirement**

· **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

- **Department issuing SDS:** Abteilung Produktsicherheit

· **Abbreviations and acronyms:**

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * **Data compared to the previous version altered.**

Annex: Exposure scenario 1

- **Short title of the exposure scenario** Industrial use of cleaning agents
- **Sector of Use**
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Process category**
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC10 Roller application or brushing
PROC11 Non industrial spraying
PROC13 Treatment of articles by dipping and pouring
PROC15 Use as laboratory reagent
- **Environmental release category**
ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

Annex: Exposure scenario 2

- **Short title of the exposure scenario** Professional use of cleaning agents

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- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Process category**
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC10 Roller application or brushing
PROC11 Non industrial spraying
PROC13 Treatment of articles by dipping and pouring
PROC15 Use as laboratory reagent
- **Environmental release category**
ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

Annex: Exposure scenario 3

- **Short title of the exposure scenario** Private use of cleaning agents
- **Sector of Use** SU21 Consumer uses: Private households / general public / consumers
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Process category**
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

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PROC10 Roller application or brushing

PROC11 Non industrial spraying

PROC13 Treatment of articles by dipping and pouring

· **Environmental release category**

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

· **Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

· **Conditions of use**

· **Duration and frequency** 5 workdays/week.

· **Physical parameters**

· **Physical state** Fluid

· **Concentration of the substance in the mixture** The substance is main component.

· **Other operational conditions**

· **Other operational conditions affecting environmental exposure** No special measures required.

· **Other operational conditions affecting consumer exposure** Not required.

· **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.

· **Risk management measures**

· **Worker protection**

· **Organisational protective measures** No special measures required.

· **Technical protective measures** No special measures required.

· **Personal protective measures** No special measures required.

· **Measures for consumer protection** No special measures required.

· **Environmental protection measures**

· **Air** No special measures required.

· **Water** No special measures required.

· **Disposal measures** Ensure that waste is collected and contained.

· **Disposal procedures** Dispose of product residues with household waste.

· **Waste type** Partially emptied and uncleaned packaging

· **Exposure estimation**

· **Consumer** Not relevant for this Exposure Scenario.

· **Guidance for downstream users** No further relevant information available.