

Safety data Sheet

According to regulation (EC) No 1907/2006 (REACH)

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STAINEX-CLEANER

Supplier: Drizign Pty Ltd
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Emergency 24 Hour Telephone:

Poison Information Service: 13 11 26
Fire Brigade: 000
Police: 000

1. Identification:

Product Name: **STAINEX-CLEANER**
Recommended Use: Washing and cleaning products

2. Hazard Identification:

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Met. Corr. 1 ; H290 - Corrosive to metals : Category 1 ; May be corrosive to metals.

2.2 Label elements

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

Hazard pictograms



CORROSIVE

Corrosion (GHS05)

Signal word

Danger

Hazard components for labelling

PHOSPHORIC ACID ; CAS No. : 7664-38-2

Hazard statements

H290 May be corrosive to metals.

H318 Causes serious eye damage.

H315 Causes skin irritation.

Precautionary statements

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

P310 Immediately call a POISON CENTER/doctor/....

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

P302+P352 IF ON SKIN: Wash with plenty of water/....

P362+P364 Take off contaminated clothing and wash it before use.

P390 Absorb spillage to prevent material damage.

2.3 Other hazards

None

3. Composition/information on ingredients:**Mixtures****Hazardous ingredients**

PHOSPHORIC ACID ; REACH registration No. : 01-2119485924-24-XXXX ; EC No. : 231-633-2; CAS No. : 7664-38-2

Weight fraction : $\geq 10 - < 25 \%$

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318

BUTYL CELLOSOLVE ; REACH registration No. : 01-2119475108-36-XXXX ; EC No. : 203-905-0; CAS No. : 111-76-2

Weight fraction : $\geq 5 - < 10 \%$

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; REACH registration No. : 01-2119489428-22-XXXX ; EC No. : 270-115-0; CAS No. : 68411-30-3

Weight fraction : $\geq 1 - < 3 \%$

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Aquatic Chronic 3 ; H412

POTASSIUM CUMENESULFONATE ; REACH registration No. : 01-2119489427-24-XXXX ; EC No. : 629-764-9; CAS No. : 164524-02-1

Weight fraction : $\geq 1 - < 5 \%$

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

(1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; REACH registration No. : 01-2119489411-37-XXXX ; EC No. : 239-854-6; CAS No. : 15763-76-5

Weight fraction : $\geq 1 - < 5 \%$

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

Additional information

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

4. First aid measures:**4.1 Description of first aid- measures****General information**

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

In case of respiratory tract irritation, consult a physician. Remove casualty to fresh air and keep warm and at rest.

In case of skin contact

P332+P313 - If skin irritation occurs: Get medical advice/attention. After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink plenty of water. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. Causes serious eye damage.

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

None

5. Fire-fighting measures:**5.1 Extinguishing media****Suitable extinguishing media**

Water Foam Extinguishing powder Carbon dioxide (CO₂) Sand Nitrogen Extinguishing blanket

5.2 Special hazards arising from the substance or mixture**Hazardous combustion products**

Carbon dioxide (CO₂) Carbon monoxide.

5.3 Advice for firefighters.

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Do not allow run-off from fire-fighting to enter drains or water courses.



6. Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures.**
Special danger of slipping by leaking/spilling product.
- 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**
Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Wash with plenty of water. Treat the recovered material as prescribed in the section on waste disposal.
- 6.4 **Reference to other sections**
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

7. Handling and storage

- 7.1 **Precautions for safe handling**
Keep container tightly closed.
- 7.2 **Conditions for safe storage, including any incompatibilities**
Keep/Store only in original container. Protect against Frost.
Requirements for storage rooms and vessels
P234 - Keep only in original container. P406 - Store in corrosive resistant/... container with a resistant inner liner
Hints on storage assembly
Storage class (TRGS 510) : 8B
- 7.3 **Specific end use(s)**
Observe technical data sheet. Observe instructions for use.

8. Exposure controls / personal protection**8.1 Control parameters****Occupational exposure limit values**

PHOSPHORIC ACID ; CAS No. :7664-38-2

Limit value type (country of origin) :	TRGS 900 (D)
Parameter :	E: inhalable fraction
Limit value :	2 mg/m ³
Peak limitation:	2 (I)
Remark :	Y
Version :	02.04.2014
Limit value type (country of origin) :	STEL (EC)
Limit value:	2 mg/m ³
Version :	08.06.2000
Limit value type (country of origin) :	TWA (EC)
Limit value:	1 mg/m ³
Version :	08.06.2000

BUTYL CELLOSOLVE : CAS No :

Limit value type (country of origin) :	TRGS 900 (D)
Limit value :	20 ppm / 98 mg/m ³
Peak limitation:	4(II)
Remark :	H,Y
Version :	02.04.2014
Limit value type (country of origin) :	STEL (EC)
Limit value :	50 ppm / 246 mg/m ³
Remark :	H
Version :	08.06.2000
Limit value type (country of origin) :	TWA (EC)
Limit value :	20 ppm / 98 mg/m ³
Remark :	H
Version :	08.06.2000

Biological limit values

BUTYL CELLOSOLVE:

Limit value type (country of origin) :	CAS NO: 111-76-2
Parameter:	TRGS 903 (D)
	Butoxy acetic acid/Urine (U) / at long term exposure after several previous shifts
Limit value :	100 mg/l
Version :	31.03.2004



DNEL/ DMEL and PNEC Values**DNEL/DMEL**

Limit value type:	DNEL worker (local) (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	246mg/m ³
Limit value type :	DNEL worker (local) (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	1 mg/m ³
Limit value type :	DNEL worker (local) (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; CAS No. : 68411-30-3)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	12 mg/m ³
Limit value type :	DNEL worker (local) (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	2 mg/m ³
Limit value type :	DNEL worker (systemic) (POTASSIUM CUMENESULFONATE ; CAS No. : 164524-02-1)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	53,6 mg/m ³
Limit value type :	DNEL worker (systemic) (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	98 mg/m ³
Limit value type :	DNEL worker (systemic) (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; CAS No. : 68411-30-3)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	12 mg/m ³
Limit value type :	DNEL worker (systemic) ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No. : 15763-76-5)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	53,6 mg/m ³
Limit value type :	DNEL worker (systemic) ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No. : 15763-76-5)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	7,6 mg/kg
Limit value type :	DNEL worker (systemic) (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; CAS No. : 68411-30-3)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	170 mg/m ³
Limit value type :	DNEL worker (systemic) (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	663 mg/m ³
Limit value type :	DNEL worker (systemic) (POTASSIUM CUMENESULFONATE ; CAS No. : 164524-02-1)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	7,6 mg/kg
Limit value type :	DNEL worker (systemic) (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	75 mg/kg
Limit value type :	DNEL worker (systemic) (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route :	Dermal
Exposure frequency :	Short-term (acute)
Limit value :	89 mg/kg



8.2 Exposure controls

Personal protective equipment

Eye / face protection



Wear suitable safety goggles in case of splash.

Suitable eye protection

Safety goggles acc. EN 166.

Skin protection

Hand protection



Wear protective gloves in case of longer lasting skin contact.

Suitable gloves type : EN 374

Suitable material : NBR (Nitrile rubber)

Breakthrough time (maximum wearing time): 480 min.

Thickness of the glove material : 0.4 mm

Remark: The exact break through time has to be requested from the protective glove manufacturer and limits has to be ensured.

Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values

Suitable respiratory protection apparatus

Combination filtering device (EN 14387)

Type: A

Remark

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

General health and safety measures

Do not put any product-impregnated cleaning rags into your trouser pockets. P280 - Wear protective gloves/protective clothing/eye protection/face protection. Do not put any product-impregnated cleaning rags into your trouser pockets.

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. P362+P364 - Take off contaminated clothing and wash it before reuse. P264 - Wash hands thoroughly after handling.

8.3 Additional information

No tests have been performed. Selection made for preparation according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

9. Physical and chemical properties:

9.1 Information on basic physical and chemical physical and chemical properties

Appearance: liquid

Colour : yellow

Odour : characteristic

Safety relevant basis data

Solidifying point : (1013 hPa) < 0 °C

Initial boiling point and boiling range : (1013hPa) ca. 98 °C

Flash point : not relevant

Ignition temperature : not relevant

Lower explosion limit : not relevant

Upper explosion limit : not relevant

Density : (20 °C) ca. 1,1 g/cm³

pH : ca. 1,5

Maximum VOC content (EC) : 5 Wt %

Maximum VOC content (Switzerland) : 5 Wt %

Corrosive to metals : May be corrosive to metals (H290).

9.2 Other information

None



10. Stability and reactivity**10.1 Reactivity**

No information available

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

No information available.

11. Toxicological information**11.1 Information on toxicological effects****Acute effects****Acute oral toxicity**

Parameter: ATEmix calculated

Exposure route: Oral

Effective dose: > 2000 mg/kg

Parameter: LD50 (POTASSIUM CUMENESULFONATE ; CAS No. : 164524-02-1)

Exposure route: Oral

Species: Rat

Effective dose: > 2000 mg/kg

Parameter: LD50 ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No.: 15763- 76-5)

Exposure route: Oral

Species: Rat

Effective dose: > 2000 mg/kg

Parameter: LD50 (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS; CAS No. : 68411-30-3)

Exposure route: Oral

Species: Rat

Effective dose: 1080 mg/kg

Method : OECD 401

Parameter: LD50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)

Exposure route: Oral

Species: Rat

Effective dose: 1530 mg/kg

Parameter: LD50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)

Exposure route: Oral

Species: Rat

Effective dose: 1250 - 1490 mg/kg

Method : OECD 401

Acute dermal toxicity

Parameter: ATEmix calculated

Exposure route: Dermal

Effective dose: > 2000 mg/kg

Parameter: LD50 ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No.: 15763- 76-5)

Exposure route: Dermal

Species: Rat

Effective dose: > 2000 mg/kg

Parameter: LD50 (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS; CAS No. : 68411-30-3)

Exposure route: Dermal

Species: Rat

Effective dose: > 300 - 2000 mg/kg

Method : OECD 402

Parameter: LD50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)

Exposure route: Dermal

Species: Rabbit

Effective dose: 841 mg/kg

Method : OECD 402

Parameter: LD50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)

Exposure route: Dermal

Species: Rabbit

Effective dose: 2740 mg/kg



Acute inhalation toxicity

Parameter	ATEmix calculated
Exposure route :	Inhalation
Effective dose :	> 20 mg/l
Parameter :	LC50 ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No. : 15763- 76-5)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 5 mg/l
Exposure time :	4 h
Parameter :	LC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	2 - 20 mg/l
Exposure time :	4 h

11.2 Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

11.3 Other adverse effects

May be absorbed through the skin. Frequently or prolonged contact with skin may cause dermal irritation. Has degreasing effect on the skin.

11.4 Additional information

Preparation not tested. The statement is derived from the properties of the single components.

12. Ecological information**12.1 Toxicity****Aquatic toxicity****Acute (short-term) fish toxicity**

Parameter	LC50 (POTASSIUM CUMENESULFONATE ; CAS No. : 164524-02-1)
Species :	Cyprinus carpio (Common Carp)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 100 mg/l
Exposure time :	96 h
Parameter :	LC50 ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No. : 15763- 76-5)
Species :	Cyprinus carpio (Common Carp)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	> 100 mg/kg
Exposure time :	96 h
Parameter :	LC50 (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; CAS No. : 68411-30-3)
Species :	Lepomis macrochirus (Bluegill)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	1,67 mg/l
Exposure time :	96 h
Parameter :	LC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	1474mg/l
Exposure time :	96 h
Method :	OECD 203
Parameter :	LC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	1815 mg/l
Exposure time :	24 h
Method :	DIN 38412 / part 11
Parameter :	LC50 (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; CAS No. : 68411-30-3)
Species :	Daphnia
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	3,5 mg/l
Exposure time :	96 h



Parameter : LC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
 Species : Daphnia magna (Big water flea)
 Evaluation parameter : Chronic (long-term) daphnia toxicity
 Effective dose : 297 mg/l
 Exposure time : 21 d
 Method : OECD 211

Chronic (long-term) fish toxicity

Parameter : NOEC (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; CAS No. : 68411-30-3)
 Species : Fish
 Evaluation parameter : Chronic (long-term) fish toxicity
 Effective dose : 0,25 mg/l
 Exposure time : 90 d
 Parameter : LOEC (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; CAS No. : 68411-30-3)
 Species : Fish
 Evaluation parameter : Chronic (long-term) fish toxicity
 Effective dose : 0,51 mg/l
 Exposure time : 90 d

Acute (short-term) daphnia toxicity

Parameter : EC50 (POTASSIUM CUMENESULFONATE ; CAS No. : 164524-02-1)
 Species : Daphnia magna (Big water flea)
 Evaluation parameter : Acute (short-term) daphnia toxicity
 Effective dose : > 100 mg/l
 Exposure time : 48 h

Chronic (long-term) daphnia toxicity

Parameter : NOEC (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
 Species : Daphnia magna (Big water flea)
 Evaluation parameter : Acute (short-term) daphnia toxicity
 Effective dose : 56 mg/l
 Exposure time : 48 h
 Method : OECD 202

Parameter : NOEC (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
 Species : Brachydanio rerio (zebra-fish)
 Evaluation parameter : Chronic (long-term) fish toxicity
 Effective dose : > 100 mg/l
 Exposure time : 21 d
 Method : OECD 204

Parameter : NOEC (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
 Species : Daphnia magna (Big water flea)
 Evaluation parameter : Chronic (long-term) daphnia toxicity
 Effective dose : 100 mg/l
 Exposure time : 21 d
 Method : OECD 211

Parameter : NOEC (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
 Species : Desmodesmus subspicatus
 Evaluation parameter : Acute (short-term) algae toxicity
 Effective dose : 100 mg/l
 Exposure time : 72 h
 Method : OECD 201

Parameter : NOEC (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; CAS No. : 68411-30-3)
 Species : Scenedesmus subspicatus
 Evaluation parameter : Acute (short-term) algae toxicity
 Effective dose : 2,4 mg/l
 Exposure time : 72 h

Parameter : NOEC (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
 Species : Algae
 Effective dose : 286 mg/l
 Exposure time : 72 h
 Method : OECD 201

Parameter : LOEC (BENZENESULFONIC ACID, C10-C13-ALKYL DERIVATES, SODIUM SALTS ; CAS No. : 68411-30-3)
 Species : Daphnia
 Evaluation parameter : Chronic (long-term) daphnia toxicity
 Effective dose : 4 mg/l
 Exposure time : 28d



Acute (short-term) algae toxicity

Parameter :	EC50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	> 100 mg/l
Exposure time :	48 h
Method :	OECD 202
Parameter :	EC50 (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Species :	Algae
Effective dose :	1840 mg/l
Exposure time :	72 h
Method :	OECD 201
Parameter :	EC50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Species :	Desmodesmus subspicatus
Evaluation parameter :	Acute (short-term) algae toxicity
Effective dose :	> 100 mg/l
Exposure time :	72 h
Method :	OECD 201
Parameter :	EC50 ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No. : 15763- 76-5)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	> 100 mg/l
Exposure time :	48 h
Parameter :	EC50 ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No. : 15763- 76-5)
Species :	Desmodesmus subspicatus
Evaluation parameter :	Acute (short-term) algae toxicity
Effective dose :	> 100 mg/l
Exposure time :	72 h
Parameter :	EC50 (POTASSIUM CUMENESULFONATE ; CAS No. : 164524-02-1)
Species :	Desmodesmus subspicatus
Evaluation parameter :	Acute (short-term) algae toxicity
Effective dose :	> 100 mg/l
Exposure time :	72 h

Bacteria toxicity

Parameter :	EC50 (POTASSIUM CUMENESULFONATE ; CAS No. : 164524-02-1)
Species :	Bacteria toxicity
Effective dose :	> 1000 mg/l
Exposure time :	3h
Parameter :	EC50 ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No. : 15763- 76-5)
Species :	Bacteria toxicity
Effective dose :	> 1000 mg/l

**12.2 Persistence and degradability
Biodegradation**

Parameter :	Biodegradation (BUTYL CELLOSOLVE ; CAS No. : 111-76-2)
Inoculum :	Biodegradation
Effective dose :	88 %
Exposure time :	20 d
Parameter :	Biodegradation (POTASSIUM CUMENESULFONATE ; CAS No. : 164524-02-1)
Inoculum :	Biodegradation
Evaluation parameter :	Aerobic
Effective dose :	> 60 %
Exposure time :	28 d
Evaluation :	Readily biodegradable (according to OECD criteria).
Method :	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C
Parameter :	Biodegradation ((1-METHYLETHYL)BENZENESULFONIC ACID, SODIUM SALT ; CAS No. : 15763-76-5)
Inoculum :	Biodegradation
Evaluation parameter :	Aerobic
Effective dose :	> 60 %
Exposure time :	28 d
Evaluation :	Readily biodegradable (according to OECD criteria).
Method :	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C
Parameter :	CO2 formation (% of the theoretical value) (BENZENESULFONICACID,



C10-C13-ALKYL DERIVATES, SODIUM SALTS; CAS No. : 68411-30-3)

Inoculum :	Biodegradation
Evaluation parameter :	Aerobic
Effective dose :	85 %
Exposure time :	29 d
Evaluation :	Readily biodegradable (according to OECD criteria).
Method :	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C

According to the recipe, contains no AOX. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

No information available

12.7 Additional ecotoxicological information

Do not allow uncontrolled discharge of product into the environment. After neutralisation, reduction in toxic effects is observed.

13. Disposal considerations

The waste codes are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

13.1 Waste treatment methods**Product/Packaging disposal****Waste codes/ waste designations according to EWC/AVV****Waste code product**

07 06 01* - aqueous washing liquids and mother liquors

20 01 29* - detergents containing dangerous substances.

Waste code packaging

15 01 02 – plastic packaging

Waste treatment options**Appropriate disposal / Package**

Contaminated packaging must be emptied of all residues and following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

13.2 Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

14. Transport information**14.1 UN number**

UN 1760

14.2 UN proper shipping name**Land transport (ADR/RID)**

CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID)

Sea transport (IMDG)

CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID)

Air transport (ICAO-TI / IATA-DGR)

CORROSIVE LIQUID, N.O.S. (PHOSPHORIC ACID)

14.3 Transport hazard class(es)**Land transport (ADR/RID)**

Class(es) :

8

Classification code :

C9

Hazard identification number (Kemler No.)

80

Tunnel restriction code :

E

Special provisions :

LQ 5 I - E 1

Hazard label(s) :

8

**Sea transport (IMDG)**

Class(es) :

8

EmS-No. :

F-A / S-B

Special provisions :

LQ 5 I - E 1 - Segregation Group 1 - Acids

Hazard label(s) :

8



Air transport (ICAO-TI / IATA-DGR)**Class(es) :**

8

Hazard label(s) :

8

**14.4 Packing group**

III

14.5 Environmental hazards**Land transport (ADR/RID) :** No**Sea transport (IMDG) :** No**Air transport (ICAO-TI / IATA-DGR) :** No**14.6 Special precautions for user**

None

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation****Other regulation (EU)****Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Labelling for contents according to regulation (EC) No. 648/2004

5 - 15 % anionic surfactants

< 5 % non-ionic surfactants

< 5 % amphoteric surfactants

National regulations

AT: Labelling according to Austrian regulations (Chemikaliengesetz/ChemV).

CH: Chemikalienverordnung (ChemV) and Chemikalien-Risikoreduktions-Verordnung (Chem RRV) are complied.

Water hazard class (WGK)

Class : 1 (slightly hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibition regulations**Betriebssicherheitsverordnung (BetrSichV)**

No flammable liquid according to BetrSichV.

15.2 Chemical safety assessment

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

16. Other information**16.1 Indication of changes**

02. Classification of the substance or mixture · 02. Label elements · 03. Hazardous ingredients

16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOX: adsorbable organohalogenes

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CLP: Classification Labelling and Packaging (Regulation (EC) No. 1272/2008)

EAK / AVV: europäischer Abfallschlüsselkatalog (european waste catalogue)

EINECS: European Inventory of Existing Commercial Chemical Substances

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

RCP: reciprocal calculation procedure

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

TRGS: Technische Regel für den Umgang mit Gefahrstoffen

VbF: Verordnung über brennbare Flüssigkeiten

VOC: volatile organic compound VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse (water hazardous class)



16.3 Key literature references and sources for data

DGUV: GESTIS-Stoffdatenbank
ECHA: Classification And Labelling Inventory
ECHA: Registered Substances
ECHA: Registered Substances
EC: Safety Data Sheet of Suppliers
ESIS: European Chemical Substances Information System
GDL: Gefahrstoffdatenbank der Länder
UBA Rigoletto: Wassergefährdende Stoffe

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.6 Additional Information

None

The above information describes exclusively the safety requirements of the products and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product names in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing the information on this safety data sheet is not necessary valid for the new made-up material.

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