

Safety data Sheet
According to regulation (EC) No 1907/2006 (REACH)

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STAINEX-CLEANER LIGHT

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Poison Information Service: 13 11 26
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1: Identification

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

2: Hazard Identification

2.1 Classification of the substance or mixture

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

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



Corrosion (GHS05) **Signal word** Danger

Hazard components for labelling

PHOSPHORIC ACID 20 % ; 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 reuse.
 P390 Absorb spillage to prevent material damage.

2.3 Other hazards

None

3: Composition / information on ingredients**3.2 Mixtures****Hazardous ingredients**

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

Weight fraction : $\geq 6 - < 15 \%$
 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 : $\geq 3 - < 6 \%$
 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 : $\geq 0.5 - < 2 \%$
 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 : $\geq 0.5 - < 3 \%$
 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 : $\geq 0.5 - < 3 \%$
 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: Firefighting 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

Use personal protection equipment. Clear spills immediately. 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 joint storage

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/m³

Peak limitation : 2(I)

Remark : Y

Version : 02.04.2014

Limit value type (country of origin) : STEL (EC)

Limit value : 2 mg/m³

Version : 08.06.2000

Limit value type (country of origin) : TWA (EC)

Limit value : 1 mg/m³

Version : 08.06.2000

BUTYL CELLOSOLVE ; CAS No. : 111-76-2

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 20 ppm / 98 mg/m³

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/m³

Remark : H

Version : 08.06.2000

Limit value type (country of origin) : TWA (EC)

Limit value : 20 ppm / 98 mg/m³

Remark : H

Version : 08.06.2000

Biological limit values

BUTYL CELLOSOLVE ; CAS No. : 111-76-2

Limit value type (country of origin) : TRGS 903 (D)

Parameter : 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 :	246 mg/m ³
Limit value type :	DNEL worker (local) (PHOSPHORIC ACID ; CAS No. : 766438-2)
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 protection equipment

Eye/face protection



Wear suitable safety goggles in case of splash.

Suitable eye protection

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 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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

P280 - Wear protective gloves/protective clothing and eye/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 preparations 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 properties

Appearance : liquid

Colour : yellow

Odour : characteristic

Safety relevant basis data

Solidifying point : (1013 hPa) < 0 °C

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

Flash point : not relevant

Ignition temperature : not relevant

Lower explosion limit : not relevant

Upper explosion limit : not relevant

Density : (20) ca. 1,06 g/cm³

pH : ca. 1,53

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

Exothermic reaction with: Alkali (lye).

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Metal, base

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 : 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 :	1474 mg/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 : 28 d

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 : 3 h

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) (BENZENESULFONIC ACID, 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 allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. List of proposed waste codes/waste designations in accordance with EWC

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 packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

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

No Dangerous Good in sense of this transport regulation

14.2 UN proper shipping name

No Dangerous Good in sense of this transport regulation

14.3 Transport hazard class(es)

No Dangerous Good in sense of this transport regulation

14.4 Packing group

No Dangerous Good in sense of this transport regulation

14.5 Environmental hazards

No Dangerous Good in sense of this transport regulation

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 regulations (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**

Betriebsicherheitsverordnung (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

None

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 inhaled. H314	Harmful if swallowed, in contact with skin or if 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

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named 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 necessarily valid for the new made-up material.

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