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# **SOTAX Maintenance & Cleaning Solution**

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

#### 1.1. Product identifier

Trade name/designation:

## SOTAX Maintenance & Cleaning Solution

#### **Article No.:**

5764

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

#### Use of the substance/mixture:

Cleaning agent for professional/industrial use

Cleaning agent

#### Relevant identified uses:

#### Life cycle stage [LCS]

IS: Use at industrial sites

PW: Widespread use by professional workers

**SL:** Service life

#### Sector of uses [SU]

SU 0: Other

**SU 4:** Manufacture of food products

Product Categories [PC]

**PC 35:** Washing and cleaning products

**Process categories [PROC]** 

**PROC 5:** Mixing or blending in batch processes

**PROC 7:** Industrial spraying

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including

weighing)

PROC 11: Non industrial spraying

PROC 19: Manual activities involving hand contact

PROC 28: Manual maintenance (cleaning and repair) of machinery

## **Environmental release categories [ERC]**

**ERC 2:** Formulation into mixture (mixtures)

**ERC 4:** Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

**ERC 8a:** Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC 8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

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

# Supplier (manufacturer/importer/only representative/downstream user/distributor): SOTAX AG

Nordring 1 4147 Aesch Schweiz

**Telephone:** (+41) 61 / 487 5454; Techsupport: (+41) 61 / 487 5460

Telefax: (+41) 61 / 482 1331 E-mail: info@sotax.com Website: www.sotax.com

E-mail (competent person): info@sotax.com

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## 1.4. Emergency telephone number

24h: (+41) 61 / 487 5460, (+41) 61 / 487 5454 (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		Classification pro- cedure
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	

#### 2.2. Label elements

# Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms:



# GHS07

Exclamation mark

Signal word: Warning

#### Hazard components for labelling:

Alkylbenzenesulfonic acid; Citric acid

hazard statements for health hazards		
H315	Causes skin irritation.	
H319	Causes serious eye irritation.	

Precautionary Statements Prevention	
P280	Wear protective gloves/protective clothing/eye protection/face protection.

<b>Precautionary Stat</b>	Precautionary Statements Response		
P302 + P352	IF ON SKIN: Wash with plenty of water/		
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P332 + P313	If skin irritation occurs: Get medical advice/attention.		
P337 + P313	If eye irritation persists: Get medical advice/attention.		
P362 + P364	Take off contaminated clothing and wash it before reuse.		

#### 2.3. Other hazards

No data available

## **SECTION 3: Composition / information on ingredients**

## 3.2. Mixtures

#### **Description:**

Mixture of hereinafter listed substances and non-hazardous materials

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#### Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concen- tration
CAS No.: 77-92-9 EC No.: 201-069-1 REACH No.: 01-2119457026-42-XXXX	Citric acid Eye Irrit. 2, STOT SE 3, Skin Irrit. 2  Warning H315-H319-H335	5 - ≤ 15 weight-%
CAS No.: 85536-14-7 EC No.: 287-494-3 REACH No.: 01-2119490234-40-XXXX	Alkylbenzenesulfonic acid Acute Tox. 4, Aquatic Chronic 3, Skin Corr. 1C  Danger H302-H314-H412	0 - ≤ 1 weight-%

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

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### **General information:**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

#### After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### After ingestion:

Do not induce vomiting (danger of repeated caustic burn of the oesophagus). Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

#### Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation; Serious eye damage/eye irritation;

# **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:

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

#### Unsuitable extinguishing media:

none known

## 5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

#### **Hazardous combustion products:**

In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

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

#### 5.4. Additional information

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

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## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

#### **Personal precautions:**

Remove persons to safety.

#### **Protective equipment:**

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

#### **Emergency procedures:**

Provide adequate ventilation.

#### 6.1.2. For emergency responders

#### Personal protection equipment:

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

#### For containment:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Dispose of in accordance with local regulations. Inform local authorities in case of non-containable amounts

#### For cleaning up:

Use water.

## Other information:

Small amounts can be rinsed off with an excess of water (dilute to < 0.1%).

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

#### **Protective measures**

#### Advices on safe handling:

Wear personal protection equipment (refer to section 8). Ensure adequate ventilation by air exchange/ exhaust ventilation.

#### Fire prevent measures:

No special measures are necessary.

#### Measures to prevent aerosol and dust generation:

Spray product in closed systems only.

## **Environmental precautions:**

Avoid release to the environment.

## Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

#### 7.2. Conditions for safe storage, including any incompatibilities

#### **Technical measures and storage conditions:**

Protect container from dirt. Use original lid! Keep away from heat sources, store cool and protect from light. Never return taken out amounts of product to the original container. Do not store below melting point. Keep container tightly closed in a cool, well-ventilated place.

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#### Packaging materials:

Suitable container material: polyethylene (HDPE, LDPE), polypropylene, PVC, glas.

Unsuitable container material: metal containers.

#### Requirements for storage rooms and vessels:

Use original container and original lid for storage exclusively. Store product in a well ventilated, appropriate storage room suited for chemicals.

## Hints on storage assembly:

Do not store together with alkalin compounds - spontaneous heating upon contact possible.

Storage class: 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

#### Further information on storage conditions:

Hygiene measures: Keep away from food, drink and animal feed. Do not eat, drink and smoke during work. Wash hands before breaks and after work. Remove contaminated clothing immediately.

#### 7.3. Specific end use(s)

#### **Recommendation:**

Cleaning agent for professional/industrial use

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

No data available

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	12 mg/m³	DNEL worker     inhalative, long-term, systemic
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	3 mg/m³	① DNEL Consumer ② inhalative, long-term, systemic
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	170 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	85 mg/kg bw/day	① DNEL Consumer ② dermal, long-term, systemic
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	0.85 mg/kg bw/day	① DNEL Consumer ② oral, long-term, systemic
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.02 mg/m <sup>3</sup>	① DNEL worker ② inhalative, long-term, local
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.02 mg/m <sup>3</sup>	① DNEL Consumer ② inhalative, long-term, local
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.04 mg/m <sup>3</sup>	① DNEL worker ② inhalative, short-term, local, (acute)
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.04 mg/m <sup>3</sup>	① DNEL Consumer ② inhalative, short-term, local, (acute)

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Substance name	DNEL value	① DNEL type ② Exposure route
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.09 mg/kg bw/day	① DNEL Consumer ② oral, long-term, systemic
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.11 mg/kg bw/day	① DNEL worker ② Acute – oral, systemic effects

Substance name	PNEC Value	① PNEC type
Citric acid	0.44 mg/l	
CAS No.: 77-92-9	0.44 mg/l	① PNEC aquatic, freshwater
Citric acid CAS No.: 77-92-9	0.044 mg/l	① PNEC aquatic, marine water
Citric acid CAS No.: 77-92-9	1,000 mg/l	① PNEC sewage treatment plant
Citric acid CAS No.: 77-92-9	34.6 mg/kg	① PNEC sediment, freshwater
Citric acid CAS No.: 77-92-9	3.46 mg/kg	① PNEC sediment, marine water
Citric acid CAS No.: 77-92-9	33.1 mg/kg	① PNEC soil, freshwater
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	0.268 mg/l	① PNEC aquatic, freshwater
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	0.0268 mg/l	① PNEC aquatic, marine water
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	3.43 mg/l	① PNEC sewage treatment plant
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	8.1 mg/kg	① PNEC sediment, freshwater
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	6.8 mg/kg	① PNEC sediment, marine water
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	0.017 mg/l	① PNEC aquatic, intermittent release
Alkylbenzenesulfonic acid CAS No.: 85536-14-7	35 mg/kg	① PNEC soil, freshwater
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	3.39 µg/l	① PNEC aquatic, freshwater
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	3.39 µg/l	① PNEC aquatic, marine water
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.23 mg/l	① PNEC sewage treatment plant
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.027 mg/kg	① PNEC sediment, freshwater
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.027 mg/kg	① PNEC sediment, marine water

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Substance name	PNEC Value	① PNEC type
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	0.01 mg/kg	① PNEC soil
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7]; and 2-methyl-2H -iso thiazol-3-one [EC no. 220-239-6] (3:1) CAS No.: 55965-84-9	3.39 µg/l	① PNEC aquatic, intermittent release

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

unknown

#### 8.2.2. Personal protection equipment









#### Eve/face protection:

Eye glasses with side protection DIN EN 166

#### Skin protection:

Tested protective gloves must be worn EN ISO 374

Suitable material:

Butyl caoutchouc (butyl rubber) Permeation time (maximum wear time) 480min

FKM (fluoro rubber) Permeation time (maximum wear time) 480min

CR (polychloroprene, chloroprene rubber) Permeation time (maximum wear time) 30-120min

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.

In the case of wanting to use the gloves again, clean them before taking off and air them well. Observe skin-protection plan.

#### Respiratory protection:

No respiratory protection necessary if used according to intention. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable filter: NO-P3.

#### Thermal hazards:

none known

#### Other protection measures:

none

#### 8.2.3. Environmental exposure controls

Avoid release to the environment. See section 13.

## 8.3. Additional information

not applicable

## **SECTION 9: Physical and chemical properties**

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

**Appearance** 

Physical state: Liquid Colour: not determined

Odour: not determined
Safety relevant basis data

Jaioty relevant Basis auto	=			
parameter		at °C	Method	Remark
рН	2.1	20 °C		
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling	> 100 °C			
range				
Decomposition temperature	not determined			

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parameter		at °C	Method	Remark
Flash point	No data avail- able			
Evaporation rate	not determined			
Auto-ignition temperature	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			
Vapour density	not determined			
Density	≈ 1.04 g/cm³	20 °C		
Bulk density	not applicable			
Water solubility	completely mis- cible	20 °C		
Partition coefficient: n-octanol/ water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined			

#### 9.2. Other information

No data available

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

No dangerous reactions known if stored and handled appropriately. The product itself does not burn.

#### 10.2. Chemical stability

Unlimited shelf life if stored in original container.

#### 10.3. Possibility of hazardous reactions

Keep only in the original container in a cool, well-ventilated place away from alkalis. Danger of intense heating upon contact with lye and alkaline products.

## 10.4. Conditions to avoid

Storage below melting point.

#### 10.5. Incompatible materials

Danger of intense heating upon contact with lye and alkaline products. Concentrate is corrosive towards metals. High corrosion potential.

### 10.6. Hazardous decomposition products

In case of fire: Gases/vapours, toxic

## **Further information**

none

## **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
77-92-9	Citric acid	LD <sub>50</sub> oral:
		5,400 mg/kg (Rat)
		LD <sub>50</sub> dermal:
		>2,000 mg/kg (Rat)
85536-14-7	Alkylbenzenesulfonic acid	LD <sub>50</sub> oral:
		>1,470 mg/kg (Rat) OECD 401
		LD <sub>50</sub> dermal:
		>2,000 mg/kg (Rat) OECD 402

#### Acute oral toxicity:

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

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#### Acute dermal toxicity:

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

#### Acute inhalation toxicity:

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

#### Skin corrosion/irritation:

Causes skin irritation.

#### Serious eye damage/irritation:

Causes serious eye irritation.

#### Respiratory or skin sensitisation:

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

## Germ cell mutagenicity:

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

#### **Carcinogenicity:**

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

### Reproductive toxicity:

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

## **STOT-single exposure:**

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

#### **STOT-repeated exposure:**

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

#### **Aspiration hazard:**

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

#### **Additional information:**

No data available

## **SECTION 12: Ecological information**

## 12.1. Toxicity

CAS No.	Substance name	Toxicological information
77-92-9	Citric acid	LC <sub>50</sub> : 440 - 760 mg/l 4 d (fish, Leuciscus idus)
		LC <sub>50</sub> : 120 mg/l 3 d (crustaceans, Daphnia magna)
85536-14-7	Alkylbenzenesulfonic acid	LC <sub>50</sub> : 1.67 mg/l 4 d (fish, Lepomis macrochirus (Bluegill)) US-EPA 1975 EC <sub>50</sub> : 2.9 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 ErC <sub>50</sub> : 47.3 mg/l 3 d (Algae/water plant) NOEC: 1.41 mg/l 21 d (crustaceans, Daphnia magna (Big water flea)) OECD 211

#### 12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
77-92-9	Citric acid	Yes, rapidly	
85536-14-7	Alkylbenzenesulfonic acid	Yes, rapidly	

#### 12.3. Bioaccumulative potential

CAS No.	Substance name	Log K <sub>OW</sub>	Bioconcentration factor (BCF)
85536-14-7	Alkylbenzenesulfonic acid	3.2	

## **Accumulation / Evaluation:**

No data available

#### 12.4. Mobility in soil

No data available

according to Regulation (EC) No. 1907/2006 (REACH)

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#### 12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
77-92-9	Citric acid	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
85536-14-7	Alkylbenzenesulfonic acid	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

No data available

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Observe local regulations for waste disposal.

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### **Waste code product:**

20 01 29 *	Detergents containing hazardous substances

<sup>\*:</sup> Evidence for disposal must be provided.

#### Remark:

none

#### Waste code packaging:

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

<sup>\*:</sup> Evidence for disposal must be provided.

#### Remark:

Rinsed packaging/containers can be collected as recyclables if the label is removed.

## **Waste treatment options**

## Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package:

Completely emptied packages can be recycled.

#### Other disposal recommendations:

none

#### 13.2. Additional information

none

## **SECTION 14: Transport information**

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Sea transport (IMDG)	
14.1. UN-No.		
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	
14.2. UN proper sh	ipping name	
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	
14.3. Transport haz	zard class(es)	·
not relevant		

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Land transport (ADR/ RID)	Sea transport (IMDG)	
14.4. Packing group		
not relevant		

## 14.5. Environmental hazards

not relevant

## 14.6. Special precautions for user

not relevant

## 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

#### 15.1.1. EU legislation

#### **Authorisations:**

Currently no authorisation mandatory.

#### Restrictions on use:

Suitable for professional/industrial use only.

#### Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

Classification and labeling of the product according to CLP-VO (VO (EG) 1272/2008). The compounds are preregistered according to REACh (VO (EG) 1907/2008) if required.

#### 15.1.2. National regulations

## [GB] National regulations

#### Other regulations, restrictions and prohibition regulations

none known

## 15.2. Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

#### 15.3. Additional information

none

## **SECTION 16: Other information**

## 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

No data available

#### 16.3. Key literature references and sources for data

This MSDS was generated using information provided by supplier MSDS for the individual compounds as well as information obtained through the gestis-material database (http://gestis.itrust.de) maintained by the german social accident insurance DGUV.

according to Regulation (EC) No. 1907/2006 (REACH)

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

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

Hazard classes and hazard categories	Hazard statements	Classification pro- cedure
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

## 16.6. Training advice

Appropriate training prior to using this product is necessary as well as an anual training for the general handling of hazardous materials, targeting spezific workplace issues.

#### 16.7. Additional information

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.