

# SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **SpaBalancer FilterClean Natural**

Creation date: **3.10.2019** · Revision: **6.11.2019** · Version: **1**

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

#### Product name

**SpaBalancer FilterClean Natural**



chemius.net/ZClc3

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

#### Relevant identified uses

Cleaning agent.

#### Uses advised against

No information.

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

#### Supplier

SpaBalancer GmbH  
Address: Gärtnerstr. 90, D-25469 Halstenbek,  
Germany  
Phone: ++49(0)4101 - 37 444 80  
Fax: ++49(0)40-380 178 620 26  
E-mail: info@spabalancer.com

### 1.4. Emergency telephone number

#### Emergency

112

#### Supplier

++49(0)4101 - 37 444 80

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 (CLP)

Met. Corr. 1; H290 May be corrosive to metals.  
Skin Corr. 1B; H314 Causes severe skin burns and eye damage.  
Eye Dam. 1; H318 Causes serious eye damage.

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## 2.2 Label elements

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



Signal word: **Danger**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

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

P102 Keep out of reach of children.

P260 Do not breathe dust.

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

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

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

P310 Immediately call a POISON CENTER/doctor.

P390 Absorb spillage to prevent material damage.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/national regulation.

### 2.2.2. Contains:

sodium hydroxide (CAS: 1310-73-2, EC: 215-185-5, Index: 011-002-00-6)

sodium percarbonate (CAS: 15630-89-4, EC: 239-707-6)

### 2.2.3. Special provisions

Special hazards are not known or expected.

## 2.3. Other hazards

The substances in the mixture are not classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Product description

SVHC: Contains zero or less than 0.1% of SVHC substance.

### 3.1. Substances

For mixtures see 3.2.

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## 3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
sodium carbonate	497-19-8 207-838-8 011-005-00-2	40-<50	Eye Irrit. 2; H319		01-2119485498-19
sodium hydroxide	1310-73-2 215-185-5 011-002-00-6	5-<35	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %	01-2119457892-27
citric acid, monohydrate	5949-29-1 201-069-1 -	10-<15	Eye Irrit. 2; H319		01-2119457026-42
sodium percarbonate	15630-89-4 239-707-6 -	10-<15	Ox. Sol. 2; H272 Acute Tox. 4; H302 Eye Dam. 1; H318		01-2119457268-30
alcohols, C16-18, ethoxylated	68439-49-6 500-212-8 -	3-<5	Eye Irrit. 2; H319		-

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. Person giving first aid should properly protect himself.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms occur, seek medical advice.

#### Following skin contact

Take off all contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. Immediately obtain professional medical help! Immediate medical attention is necessary, as untreated burns can cause wounds that do not heal easily. Wash contaminated clothes and shoes before reuse.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. After initial flushing, remove any contact lenses and continue flushing. Consult a physician immediately!

#### Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Drink plenty of water in small sips. Do not administer a neutralizing agent. Immediately consult a doctor. Show the physician the safety data sheet or label.

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

#### Inhalation

Breathing dust can irritate the respiratory tract.  
Coughing, sneezing, nasal discharge, labored breathing.

#### Skin contact

Skin burns: Signs/symptoms may include localised redness, swelling, itching, dryness, blistering.

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## Eye contact

Redness, pain, burning sensation, tearing, can cause permanent damage to the eyes.

## Ingestion

May cause abdominal discomfort.

May cause nausea/vomiting and diarrhea.

If ingested, may cause burns of the mouth and throat, as well as perforation of the esophagus and stomach.

## **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

Fire extinguishing powder.

Water spray.

Carbon dioxide (CO<sub>2</sub>).

Foam.

#### Unsuitable extinguishing media

Full water jet.

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

#### Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke. Toxic pyrolysis products.

### **5.3. Advice for firefighters**

#### Protective actions

In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible remove containers from endangered area.

#### Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

#### Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system. Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

#### 6.1.1. For non-emergency personnel

##### **Protective equipment**

Use personal protective equipment (Section 8).

##### **Emergency procedures**

Ensure adequate ventilation. Protect from open fire and other possible sources of ignition. Avoid dust generation. Evacuate the danger zone. Prevent access to unprotected personnel. No action shall be taken involving any personal risk or without suitable training. Avoid contact with skin, eyes and clothing. Avoid breathing dust.

#### 6.1.2. For emergency responders

Use personal protective equipment.

## 6.2. Environmental precautions

Suppress the dust with spray water jet. Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

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

### 6.3.1. For containment

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### 6.3.2. For cleaning up

Ventilate the premises. Avoid creating dusty conditions. Take up mechanically and collect in suitable container and dispose according to current regulations. Clean residue from spill site. Dispose in accordance with applicable regulations (see Section 13).

### 6.3.3. Other information

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## 6.4. Reference to other sections

See also Sections 8 and 13.

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# SECTION 7. HANDLING AND STORAGE

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## 7.1. Precautions for safe handling

### 7.1.1. Protective measures

#### Measures to prevent fire

Ensure adequate ventilation.

#### Measures to prevent aerosol and dust generation

Ensure good ventilation and extraction.

#### Measures to protect the environment

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### 7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Protect skin with protective cream before use. Do not breathe dust. Use only in well-ventilated areas. Wear suitable protective equipment; see Section 8. Remove contaminated clothes and wash them before reuse. Open and handle the container with caution.

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

### 7.2.1. Technical measures and storage conditions

Store in accordance with local regulations. Keep in tightly closed container. Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from flammable substances. Keep away from moisture. Protect from contamination. Keep away from oxidising substances. Keep away from acids. Keep away from food, drink and animal feeding stuffs.

### 7.2.2. Packaging materials

Store only in original container.

### 7.2.3. Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Securely prevent seepage into soil. The floor of the storage room must be impermeable and chemicals resistant (base, acid).

### 7.2.4. Storage class

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### 7.2.5. Further information on storage conditions

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## 7.3. Specific end use(s)

### Recommendations

See identified uses in Section 1.2.

### Industrial sector specific solutions

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>		
Sodium hydroxide (1310-73-2)	-	-	-	2		
Product		8			Inhalable dust	
Product		4			respirable dust	

#### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

#### 8.1.3. DNEL/DMEL values

##### For components

Name	Type	Exposure route	Exposure frequency	Value	Remark
sodium carbonate (497-19-8)	Worker	dermal	long term (local effects)	10 mg/cm <sup>2</sup>	
sodium hydroxide (1310-73-2)	Worker	inhalation	short term (local effects)	1 mg/m <sup>3</sup>	
sodium hydroxide (1310-73-2)	Consumer	inhalation	long term (local effects)	1 mg/m <sup>3</sup>	
sodium percarbonate (15630-89-4)	Worker	inhalation	long term (local effects)	5 mg/m <sup>3</sup>	
sodium percarbonate (15630-89-4)	Worker	dermal	long term (local effects)	12,8 mg/cm <sup>2</sup>	
sodium percarbonate (15630-89-4)	Worker	dermal	short term (local effects)	12,8 mg/cm <sup>2</sup>	
sodium percarbonate (15630-89-4)	Consumer	dermal	long term (local effects)	6,4 mg/cm <sup>2</sup>	
sodium percarbonate (15630-89-4)	Consumer	dermal	short term (local effects)	6,4 mg/cm <sup>2</sup>	

8.1.4. PNEC values

**For components**

Name	Exposure route	Value	Remark
sodium carbonate (497-19-8)	water treatment plant	16,24 mg/L	
citric acid, monohydrate (5949-29-1)	fresh water	0,44 mg/L	
citric acid, monohydrate (5949-29-1)	marine water	0,044 mg/L	
citric acid, monohydrate (5949-29-1)	fresh water sediment	34,6 mg/kg	dry weight
citric acid, monohydrate (5949-29-1)	marine water sediment	3,46 mg/kg	dry weight
citric acid, monohydrate (5949-29-1)	soil	33,1 mg/kg	dry weight
citric acid, monohydrate (5949-29-1)	water treatment plant	1000 mg/L	
sodium percarbonate (15630-89-4)	fresh water	0,035 mg/L	
sodium percarbonate (15630-89-4)	marine water	0,035 mg/L	
sodium percarbonate (15630-89-4)	water, intermittent release	0,035 mg/L	fresh water
sodium percarbonate (15630-89-4)	water treatment plant	16,24 mg/L	

**8.2. Exposure controls**

8.2.1. Appropriate engineering control

**Substance/mixture related measures to prevent exposure during identified uses**

Handle in accordance with good industrial hygiene and safety practice. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Do not breathe dust.

**Organisational measures to prevent exposure**

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available. Measurement methods for performing chemical measurement procedures must be in accordance with EN 482.

**Technical measures to prevent exposure**

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

8.2.2. Personal protective equipment

**Eye and face protection**

Wear tight fitting protective goggles and/or face protection (EN 166).

**Hand protection**

Before use protect hands with suitable protective cream. Protective gloves (EN 374). 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. Follow the manufacturer's instructions about permeability and penetration times and specific workplace conditions (mechanic load, exposure duration).

**Appropriate materials**

Material	Thickness	Penetration Time	Remark
Butyl rubber	≥ 0,4 mm	> 480 min	
natural latex	≥ 0,5 mm	> 480 min	
Viton (fluorinated rubber)	≥ 0,4 mm	> 480 min	

**Skin protection**

Alkali-resistant protective clothing. Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345). Working clothes resistant to dust (EN ISO 13982).

**Respiratory protection**

Not needed under normal use and adequate ventilation. In case of insufficient ventilation wear suitable respiratory protection. Mask with dust filter (P2) or FFP2(EN 149).

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## Thermal hazards

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### 8.2.3. Environmental exposure controls

#### Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

-	<b>Physical state:</b>	solid
-	<b>Colour:</b>	white
-	<b>Odour:</b>	no odour

### Important health, safety and environmental information

-	<b>pH</b>	No information.
-	<b>Melting point/freezing point</b>	No information.
-	<b>Initial boiling point/boiling range</b>	No information.
-	<b>Flash point</b>	No information.
-	<b>Evaporation rate</b>	No information.
-	<b>Flammability (solid, gas)</b>	No information.
-	<b>Explosion limits (vol%)</b>	No information.
-	<b>Vapour pressure</b>	No information.
-	<b>Vapour density</b>	No information.
-	<b>Density</b>	No information.
-	<b>Solubility</b>	<b>Water:</b> Completely soluble
-	<b>Partition coefficient</b>	No information.
-	<b>Auto-ignition temperature</b>	No information.
-	<b>Decomposition temperature</b>	No information.
-	<b>Viscosity</b>	No information.
-	<b>Explosive properties</b>	No information.
-	<b>Oxidising properties</b>	Not oxidising.

### 9.2. Other information

-	<b>Remarks:</b>	
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## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Contact with combustible material may cause fire.

### 10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Reactions with metals. Reactions with oxidising agents. Reactions with bases. Exothermic reaction with acids.



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## 10.4. Conditions to avoid

Strong heating.

## 10.5. Incompatible materials

Bases.  
Oxidants.  
Acids. Metals.

## 10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released. In the event of fire toxic pyrolysis products can be generated.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### (a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
sodium carbonate (497-19-8)	dermal	LD <sub>50</sub>	rabbit		2000 mg/kg		
sodium carbonate (497-19-8)	oral	LD <sub>50</sub>	rat		> 2000 mg/kg		
sodium carbonate (497-19-8)	inhalation	LC <sub>50</sub>	rat	4 h	2,3 mg/l		
sodium hydroxide (1310-73-2)	oral	LDLo	rat		500 mg/kg bw		
citric acid, monohydrate (5949-29-1)	dermal	LD <sub>50</sub>	rat		> 2000 mg/kg		
citric acid, monohydrate (5949-29-1)	oral	LD <sub>50</sub>	mouse		5400 mg/kg	OECD 401	
citric acid, monohydrate (5949-29-1)	oral	LD <sub>50</sub>	rat		11700 mg/kg	OECD 401	
sodium percarbonate (15630-89-4)	dermal	LD <sub>50</sub>	rabbit		> 2000 mg/kg	OECD 402	
sodium percarbonate (15630-89-4)	oral	LD <sub>50</sub>	rat		1034 mg/kg		
alcohols, C16-18, ethoxylated (68439-49-6)	oral	LD <sub>50</sub>	rat		> 2000 mg/kg		

**Additional information:** The product is not classified for acute toxicity.

#### (b) Skin corrosion/irritation

**Additional information:** Causes severe burns and skin damage.

#### (c) Serious eye damage/irritation

**Additional information:** Causes serious eye damage.

#### (d) Respiratory or skin sensitisation

**Additional information:** The product is not classified as sensitising.

#### (e) (Germ cell) mutagenicity

No information.

#### (f) Carcinogenicity

No information.

#### (g) Reproductive toxicity

No information.

#### Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

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## (h) STOT-single exposure

**Additional information:** STOT SE (single exposure): Not classified.

## (i) STOT-repeated exposure

**Additional information:** STOT RE (repeated exposure): Not classified.

## (j) Aspiration hazard

**Additional information:** Aspiration hazard: Not classified.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Acute (short-term) toxicity

##### For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
sodium carbonate (497-19-8)	LC <sub>50</sub>	740 mg/L	96 h		Gambusia affinus		
	LC <sub>50</sub>	300 mg/L	96 h	fish	<i>Lepomis macrochirus</i>		
	EC <sub>50</sub>	200 – 227 mg/L	48 h	crustacea	<i>Ceriodaphnia dubia</i>		
citric acid, monohydrate (5949-29-1)	Toxicity limit	425 mg/L	168 h	algae	<i>Scenedesmus quadricauda</i>		
	LC <sub>50</sub>	1535 mg/L	24 h		<i>Daphnia magma</i>		
	LC <sub>50</sub>	400 mg/L	48 h	fish	<i>Leuciscus idus</i>		
sodium percarbonate (15630-89-4)	LC <sub>50</sub>	70,7 mg/L	96 h	fish	<i>Pimephales promelas</i>		
	EC <sub>50</sub>	4,9 mg/L	48 h		<i>Daphnia pulex</i>		
	NOEC	2 mg/L	48 h	crustacea	<i>Daphnia pulex</i>		
alcohols, C16-18, ethoxylated (68439-49-6)	LC <sub>50</sub>	3,5 mg/L	96 h	fish	<i>Danio rerio</i>		
	EC <sub>50</sub>	> 1000 mg/L	72 h	algae	<i>Pseudokirchneriella</i>		

#### 12.1.2. Chronic (long-term) toxicity

No information.

### 12.2. Persistence and degradability

#### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

#### 12.2.2. Biodegradation

No information.

### 12.3. Bioaccumulative potential

#### 12.3.1. Partition coefficient

No information.

#### 12.3.2. Bioconcentration factor (BCF)

No information.

### 12.4. Mobility in soil

#### 12.4.1. Known or predicted distribution to environmental compartments

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No information.

## 12.4.2. Surface tension

No information.

## 12.4.3. Adsorption/Desorption

No information.

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

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

## **12.6. Other adverse effects**

No information.

## **12.7. Additional information**

### **For product**

Do not allow uncontrolled discharge of product into the environment.

Contained surfactants are biodegradable in accordance with the Regulation (EC) 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Due to the pH of the product, it must be neutralised prior to disposal.

Water hazard class 1 (self-assessment): slightly hazardous for water.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

#### 13.1.1. Product / Packaging disposal

##### **Waste chemical**

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems. Do not dispose together with household garbage.

##### **Waste codes / waste designations according to LoW**

06 02 04\* - sodium and potassium hydroxide

20 01 29\* - detergents containing dangerous substances

##### **Packaging**

Dispose of in accordance with applicable waste disposal regulation. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Deliver completely emptied containers to approved waste disposal authorities.

##### **Waste codes / waste designations according to LoW**

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

#### 13.1.2. Waste treatment-relevant information

-

#### 13.1.3. Sewage disposal-relevant information

-

#### 13.1.4. Other disposal recommendations

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## **SECTION 14. TRANSPORT INFORMATION**

### **14.1. UN number**

UN 1823

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## 14.2. UN proper shipping name

SODIUM HYDROXIDE, SOLID

## 14.3. Transport hazard class(es)

8

## 14.4. Packing group

II

## 14.5. Environmental hazards

NO.

## 14.6. Special precautions for user

### Limited quantities

1 kg

### Tunnel restriction code

(E)

### IMDG EmS

F-A, S-B



## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Goods may not be carried in bulk in bulk containers, containers or vehicles.

## SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### 15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

#### 15.1.2. Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

#### 15.1.3. Ingredients according to Regulation EC 648/2004 on detergents

5% - < 15%: oxygen-based bleaching agents; < 5%: non-ionic surfactants

### 15.2. Chemical Safety Assessment

A chemical safety assessment was carried out for the following substances:

CAS 1310-73-2

CAS 15630-89-4

CAS 5949-29-1

CAS 497-19-8

CAS 10543-57-4

## SECTION 16. OTHER INFORMATION

### Indication of changes

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## Abbreviations and acronyms

ATE - Acute Toxicity Estimate  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CEN - European Committee for Standardisation  
C&L - Classification and Labelling  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
CAS# - Chemical Abstracts Service number  
CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW – see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC<sub>50</sub> - Lethal Concentration to 50 % of a test population  
LD<sub>50</sub> - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus

# SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **SpaBalancer FilterClean Natural**

Creation date: **3.10.2019** · Revision: **6.11.2019** · Version: **1**

SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

## Key literature references and sources for data

MSDS, FCN 1036, 9.4.2018, ver. 01

## List of relevant H phrases

H272 May intensify fire; oxidiser.  
H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.