

Product
FILTERSORB SP3
Catalytic Scale Prevention Media

Version: 3.0
 Revision Date: 02.09.2015

Watch-Water® encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. Identification of the substance and Supplier

a) Product Name:	FILTERSORB SP3
b) Other Means of Identification	
c) Recommended use:	Catalytic Bicarbonate Scale Prevention, Temporary Scale Prevention for drinking water, potable water in Residential, Commercial, Municipal and Industrial applications.
d) Company Identification/Supplier	Watch Water GmbH Fahrlachstr. 14 D-68165 Mannheim Germany Phone: + 49 62187951-0 Fax: + 49 62187951-99
e) Emergency information (8:00- 16:45)	Phone: +49 621 87951-50

2. Hazard Identification

2.1 Classification of the substance or mixture

2.1.1 Physical hazard (H2)

None known

2.1.2 Health hazard (H3)

Code	Hazard statement	Hazard Class	Hazard Category
H303	May be harmful if swallowed	Acute toxicity, oral	5
H313	May be harmful in contact with skin	Acute toxicity, dermal	5
H333	May be harmful if inhaled	Acute toxicity, inhalation	5

2.1.3 Environmental hazard (H4)

None known

2.2 Labeling:

2.2.1 Labeling according to Regulation (EC) No 1272/2008

This product does not require labeling according to 2008/1272/EC.

2.2.2 Labeling according to Directive 67/548/EEC or 1999/45/EC

This product does not require labeling according to 67/548/EEC or 1999/45/EC

2.3 Other hazards

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

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2.3.1 Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. Composition/Information on ingredients

3.1 Chemical characterization: modified ceramic beads

Chemical Identity	Common name	CAS	Conc.
Ceramic coating	Calcium hydroxide	1305-62-0	<1%
Matrix	Modified Acrylic polymer	9003-04-7	>99%

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non hazardous and/or present at amounts below reportable limits.

4. First-Aid Measures

4.1 General Information:

Code	Hazard statement	Hazard Class	Hazard Category	Conditions for use
P101	Keep out of reach of children	H303 + H313 + H333	5	Take off contaminated clothes. Wash immediately with plenty of water. Continue rinsing for at least 10 minutes. If any symptom persists, seek medical attention.

4.1.1 Eye contact:

Code	Response precautionary statements	Hazard Class	Hazard Category	Conditions for use
P305	If in eyes	Eye irritation	5	Rinse immediately with plenty of running water. Continue for at least 15 minutes.
P337	If eye irritation persists	Eye irritation	5	Seek medical advice.

4.1.2 Skin contact:

Code	Response precautionary statements	Hazard Class	Hazard Category	Conditions for use
P302	If on skin	skin irritation	5	Remove contaminated clothing. Wash immediately with plenty of water. Continue for at least 15 minutes.
P333	If skin irritation persists	skin irritation	5	Obtain medical advice if there are persistent symptoms.

4.1.3 Inhalation:

Code	Response precautionary statements	Hazard Class	Hazard Category	Conditions for use
P304	If inhaled	Acute toxicity, inhalation	5	Remove patient to fresh air, allow to rest and keep warm. In case of unconsciousness place patient stably in side position for transportation. Obtain medical advice.

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4.1.4 Ingestion:

Code	Response precautionary statements	Hazard Class	Hazard Category	Conditions for use
P301	If swallowed	Acute toxicity, inhalation	5	First rinse mouth with water. Immediately give 1-2 glasses of water, Seek medical attention.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire Fighting Measures

The product is non-combustible.

5.1 Extinguishing media

- **P378:** Extinguish with water, foam, CO₂, dry chemical

5.2 Unsuitable extinguishing media:

- None known

5.3 Exposure hazards:

- None known

5.4 Combustion products:

- carbon oxides

5.5 Protective equipment:

- Firefighters and other exposed, wear self-contained breathing apparatus and protective suit.

6. Accidental Release Measures

6.1 Personal precautions:

6.1.1 For non-emergency personnel:

- Wear eye protection and protective clothing.

6.1.2 For emergency responders:

- Wear eye protection and protective clothing.

6.2 Environmental precautions:

- Keep out of drains and water sources

6.3 Methods for cleaning up:

- Vacuum or sweep up material and placed in a designated waste container.

6.4 Important:

- The product forms a slippery surface in contact with water.

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7. Handling and Storage

7.1 Handling

- Normal chemical handling.
- **P264** : Wash hands after handling.
- Keep away from foodstuffs, beverages and feed.
- Avoid contact with the eyes and skin.

7.2 Storage

Code	Storage precautionary statements	Hazard Class	Hazard Category	Conditions for use
P401	Store in accordance with procedure described technical datasheet	n/a	n/a	The media must be kept moistened to protect the media surface from drying up
P404	Store in a closed container	n/a	n/a	Biological fouling (e.g. fungi development) may occur if kept in open contact to air
P410	Protect from sunlight	n/a	n/a	Biological fouling (e.g. fungi development) may occur is kept open to sunlight.
P412	Store at a temperature not exceeding 40°C (104°F)	n/a	n/a	Media might lose moisture at higher temperature and this might damage the media's active surface.

8. Exposure Control/Personal Protection

8.1 Exposure limit:

- None

8.2 Personal protective equipment (PPE):

8.2.1 Respiratory protection:

- Respiratory protection if dust is formed.
- In case of insufficient ventilation, use an appropriate approved particulate respirators (for example EN 143 or 149, type P2 or FFP2).

8.2.2 Eye protection:

- Wear Safety glasses with side-shields (frame goggles), where eye contact or dusty conditions may be likely.
- Have eye flushing equipment available.

8.2.3 Skin protection:

- Chemicals resistant Protective gloves.
- Suitable material: latex, chloroprene, butyl rubber, nitril rubber, neoprene.
- Wear appropriate protective clothing. Avoid skin contact with the spilled product.

8.2.4 General protective and hygienic measures:

- Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

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9. Physical and Chemical Properties

Appearance	White/opaque solid granules
Odour	Odourless
Odour threshold	n/a
pH (10 g/l)	6.5 - 8.0
Melting point/freezing point	n/a
Initial boiling point and boiling range	n/a
Flash point	n/a
Evaporation rate	Does not evaporate
Flammability	Non-flammable
Upper/lower flammability or explosive limits	n/a
Vapour pressure	n/a
Vapour density	n/a
Relative density	780-800 g/cm ³
Solubility	Non-soluble
Partial coefficient (n-octanol/water)	n/a
Auto-ignition temperature	Does not auto ignite
Decomposition temperature	≥ 100°C (212°F)
Viscosity	n/a

10. Stability and Reactivity

10.1 Reactivity:

- The product is stable and do not react under normal condition of use, handling and storage.
- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.

10.1 Chemical stability:

- NFPA labeling: 0 Stable

10.2 Possibility of Hazardous reactions:

- None known

10.3 Conditions to avoid:

- Avoid contact with mineral acids, excessive heat and bases/alkalis
- Avoid storing at high temperatures or in direct sunlight.

10.4 Materials to avoid:

- avoid Contact with strong oxidizing agents and alkaline substances.
- Metals like iron, manganese, copper can foul the media surface in soluble (ionic) form.

10.5 Incompatible Materials:

- No data available

10.6 Hazardous decomposition products:

- No data available

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11. Toxicological Information

FILTERSORB SP3 and none of its composition substances are categorized as "toxic" under the GHS guideline.

11.1 Acute toxicity:

- Oral LD50 (rat) >5000 mg/kg

11.2 Skin corrosion/irritation:

- Skin corrosion: No corrosive damage on the skin
- Skin irritation: No irritation of the skin and mucous membranes

11.3 Serious eye damage/irritation:

- Eye: No damage to eyes

11.4 Respiratory or skin sensitization:

- No sensitizing effect known.

11.5 Mutagenicity (Ames Test):

- Genotoxicity in vitro: Negative for Salmonella typhimurium mutagenic studies
- Genotoxicity in vivo: no data available

11.6 Carcinogenicity:

- Not classifiable as a human carcinogen.
- This product does not contain any ingredient designated as probable or suspected human carcinogens by: IARC and ACGIH

11.7 Reproductive toxicity:

- This product does not contain any ingredient designated as probable or suspected reproductive toxicity accordingly Dangerous Substances Directive 67/548/EEC

11.8 STOT Single exposure:

- No data available

11.9 STOT repeated exposure:

- No data available

11.10 Aspiration Hazard:

- No data available

12. Ecological Information

This product is not classified as dangerous for environment.

12.1 Toxicity:

12.1.1 Aquatic toxicity to fish:

- Presents no hazard to Aquatic life forms

12.1.2 Toxicity to aquatic plants:

- No further relevant information available

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12.1.3 Bio-accumulative potential:

- Not applicable

12.1.4 Mobility in soil:

- No further relevant information available

12.1.5 Environmental data:

- Presents no hazard to the environment

Remark:

This product is not classified as dangerous for environment.

13. Disposal considerations

13.1 Product Disposal:

- Dispose of wastes in an approved waste disposal facility.
- In accordance with local and national regulations.

13.2 Advice on cleaning and disposal of packaging:

- Contained packaging should be completely emptied.
- After being properly cleaned, it can be reused.

14. Transport Information

14.1 Land Transport (ADR/RID/ADN):

- Not classified as dangerous good under transport regulations

14.2 Sea Transport (IMDG/IMO):

- Not classified as dangerous good under transport regulations

14.3 Air Transport (IATA/ICAO):

- Not classified as dangerous good under transport regulations

15. Regulatory Information

- Labeling according to EU guidelines
- **Hazard Symbols:** none
- We recommend the following safety precautions:
S-phrases:
S25 Avoid direct contact with eyes.
S36/37 Wear suitable protective clothing and gloves

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16. Other Information

- **NFPA (National Fire Protection Association) & HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification**

Health: 0 Normal Material
Flammability: 0 Will not burn
Instability or Reactivity: 0 Stable
PPE: -

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