

# FILTERSORB CT

*Catalytic Scale Prevention Media*

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:                       | <b>FILTERSORB CT</b>   |
| b) Other Means of Identification       |  |
| c) Recommended use:                    | Scale prevention for both temporary hardness and permanent hardness for drinking water, potable water in Residential, Commercial, Municipal and Industrial applications. |
| d) Company Identification/Supplier     | Watch Water GmbH<br>Fahrlachstr. 14<br>D-68165 Mannheim<br>Germany<br>Phone: + 49 62187951-0<br>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

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

### 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 |
|------|-----------------------------------|--------------|-----------------|--------------------|
|------|-----------------------------------|--------------|-----------------|--------------------|

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|      |            |                            |   |   |
|------|------------|----------------------------|---|---|
| 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. |
|------|------------|----------------------------|---|---|

#### 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 12 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, CO<sub>2</sub>, 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:

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- 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.

## 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, nitrilrubber, neoprene.
- Wear appropriate protective clothing. Avoid skin contact with the spilled product.

#### 8.2.4 General protective and hygienic measures:

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- 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.

## 9. Physical and Chemical Properties

|  |                             |
|--|-----------------------------|
| Appearance                                   | White/opaque solid granules |
| Odor   | Odorless                    |
| Odor threshold                               | n/a                         |
| pH (10 g/l)                                  | 7.5 - 8.5                   |
| 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                         |
| Vapor pressure                               | n/a                         |
| Vapor density                                | n/a                         |
| Relative density                             | 780-800 g/cm <sup>3</sup>   |
| 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.

### 10.5 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.

### 10.6 Incompatible Materials:

- No data available

**FILTERSORB CT***Catalytic Scale Prevention Media***10.7 Hazardous decomposition products:**

- No data available

**11. Toxicological Information**

FILTERSORB CT 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
- No sensitizing effect known.

**11.4 Respiratory or skin sensitization:**

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

**11.5 Mutagenicity (Ames Test):**

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

**11.6 Carcinogenicity:**

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

**11.7 Reproductive toxicity:**

- No data available

**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

**FILTERSORB CT***Catalytic Scale Prevention Media***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

**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

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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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