

## SAFETY DATA SHEET

PROFINE BLUE (SMALL/MEDIUM/LARGE)

Compilation date: 10/04/2014

Revision No: 0

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

#### 1.1. Product identifier

**Product name:** PROFINE BLUE CARTRIDGE (SMALL/MEDIUM/LARGE)

**REACH registered name:** ACTIVATED CARBON HDS

**REACH registered number(s):** 01-2119488894-16-0007/8

**CAS number:** 7440-44-0

**EINECS number:** 931-328-0

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

**Use of substance / mixture:** Adsorbent for drinking water treatment

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

**Company name:** Thinkwater srl

Via delle Pezze, 35

35013 Cittadella PD

ITALIA

**Tel:** +39 (0)49 9403792

**Fax:** +39 (0)49 5971699

**Email:** info@thinkwater.com

#### 1.4. Emergency telephone number

**Emergency tel:** +39 (0)49 9403792

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** This product has no classification under CLP.

#### 2.2. Label elements

**Label elements:** This product has no label elements.

#### 2.3. Other hazards

**Other hazards:** Contact with airborne dust may be slightly irritating to eyes and respiratory tract. Observe all local and national regulations.

**PBT:** This substance is not identified as a PBT substance.

### Section 3: Composition/information on ingredients

#### 3.1. Substances

| Component         | Chemical identification                    | CAS number:                      | Dangerous components:               | % in weight |      |      |
|-------------------|--|----------------------------------|-------------------------------------|-------------|------|------|
|                   |  |                                  |                                     | S           | M    | L    |
| CARBON BLOCK      | ACTIVATED CARBON HDS (*WEL)                | 7440-44-0                        | Not classified GHS/CLP.             | 45.6        | 49.2 | 51.6 |
| CARBON BLOCK      | POWDER LOW DENSITY POLYETHYLENE (LDPE)     | 09002-88-4                       | Not classified as dangerous in CLP. | 6.2         | 6.7  | 7.0  |
| HOUSING           | TALC-FILLED POLYPROPYLENE (PPT20)          | PP 9010-79-1<br>Talco 14807-96-6 | Not classified as dangerous in CLP. | 42.8        | 40.4 | 38.6 |
| INTERNAL ADAPTERS | POLYSTYRENE (PS)                           | 9003-53-6                        | Not classified as dangerous in CLP. | 4.6         | 3.2  | 2.3  |
| PROTECT. PLUG     | LOW DENSITY POLYETHYLENE (LDPE)            | 09002-88-4                       | Not classified as dangerous in CLP. | 0.4         | 0.3  | 0.2  |
| O-RING            | ETHYLENE PROPYLENE DIENE MONOMER (EPDM PA) | 25038-36-2                       | Not classified as dangerous in CLP. | 0.2         | 0.1  | 0.1  |

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** No known effects.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

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

**Skin contact:** No symptoms.

**Eye contact:** There may be irritation and redness.

**Ingestion:** No symptoms.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Not applicable.

### 4.3. Indication of any immediate medical attention and special treatment needed

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water. Water spray. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Transfer to a suitable container.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid the formation or spread of dust in the air. Ensure there is sufficient ventilation of the area. Smoking is forbidden.

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

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep protection plug tightly closed. Avoid incompatible materials and conditions - see section 10 of SDS.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** Use only for drinking water treatment, with relative filter heads.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits: Respirable dust (activated carbon)**

|    |                    |             |                    |             |
|----|--------------------|-------------|--------------------|-------------|
| -  | TWA 8 hour         | STEL 15 min | TWA 8 hour         | STEL 15 min |
| EU | 3mg/m <sup>3</sup> | -           | 1mg/m <sup>3</sup> | -           |

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** None.

**Hand protection:** When replacing cartridge, use disposable gloves to reduce hygiene risks.

**Eye protection:** None.

**Skin protection:** None.

**Environmental:** Prevent from entering in public sewers or the immediate environment.

## Section 9: Physical and chemical properties

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

**State:** Cartridge with welded plastic housing, filter element in solid carbon block.

**Colour:** Housing white, carbon block Black

**Odour:** Odourless

**Solubility in water:** Insoluble

### 9.2. Other information

**Other information:** Not applicable.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values (activated carbon):**

Route Species Test Value Units

ORAL RAT LD50 >2000 mg/kg

DUST/MIST RAT 1H LC50 >64.4 mg/l

DERMAL RBT - 0 skin irritant index

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** No symptoms.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Not applicable.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:**

Species Test Value Units

ALGAE 72H IC50 Exempt -

DAPHNIA 48H EC50 Exempt -  
FISH 96H LC50 Exempt -

**12.2. Persistence and degradability**

**Persistence and degradability:** Not biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Non-volatile. Insoluble in water.

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

**PBT identification:** This substance is not identified as a PBT substance.

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Land treatment (e.g. biodegradation of liquid or sludge discards in soils, etc.).

**Waste code number:** 15 02 03 if used with drinking water; 19 09 04 if used with not drinking water.

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

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

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. Not classified as UN1362 for transport purposes, exemption under special provisions 646 (ADR), 925 (IMDG) and A3 (IATA)

\* indicates text in the SDS which has changed since the last revision.

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