

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 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 ³	-	1mg/m ³	-

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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