

SAFETY DATA SHEET

AQUAFINESSE™ FILTERCLEANER

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: AquaFinesse™ Filtercleaner

Applications: Cleaning of hot tub filters

Supplier: Special Water Europe B.V.
PO Box 785
3900 AT Veenendaal
The Netherlands

Emergency phone: +31 (0) 318 52 53 11

Fax: +31 (0) 318 55 18 36

2 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | Wt% | CAS No | EEC/EINECS No | EU Index No | Risk Phrases |
|-----------------------|-----|------------|---------------|--------------|-------------------|
| Disodium metasilicate | 45 | 6834-92-0 | 229-912-9 | 014-010-00-8 | C: R34 Xi: R37 |
| Aluminium hydroxide | 5 | 21645-51-2 | 244-492-7 | -- | -- |
| Sodium Bicarbonate | 26 | 144-55-8 | 205-633-8 | -- | -- |
| Citric Acid | 24 | 77-92-9 | 201-069-1 | -- | -- |

3 - HAZARDS IDENTIFICATION

Corrosive: Causes burns. Irritating to respiratory system.

Environmental Hazards: May cause long term adverse effects due to high pH.

4 - FIRST AID MEASURES

Skin contact: Immediately remove contaminated clothing. Rinse immediately with plenty of water. Wash skin with soap and water. Seek medical attention immediately.

Eye contact: Irrigate well with water or eyewash solution, holding the eyelids apart for at least 20 minutes. Seek medical attention immediately.

Ingestion: Drink copious amounts of water. Seek medical attention immediately. DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: Remove person to fresh air and seek medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

Note: When seeking medical attention, always show the product label. Rescuers should take suitable precautions to avoid becoming casualties themselves.

5 - FIRE FIGHTING MEASURES

Extinguishing media: This material is not flammable. Use extinguishing media appropriate for surrounding fire. Use water spray to cool containers

Exposure hazards: Corrosive.

Hazardous combustion products: Corrosive to metals and may generate flammable hydrogen gas. Reacts with halogens causing a fire hazard.

Protective Equipment: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6 – ACCIDENTAL RELEASE MEASURES

Personal precaution in spill: Wear appropriate PPE

Spill cleanup methods: Sweep up the spill and place in clean, dry plastic containers including any contaminated soil; if appropriate, moisten first to prevent dusting. Cautiously neutralize remainder with dilute acid (preferably acetic acid). Dispose of product in accordance with relevant local and national waste disposal legislation. Wash residue with plenty of water if local regulations allow.

7 – HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Wear gloves and eye protection. Local exhaust or breathing protection required if dust is formed.

Storage: Keep this product in original, sealed container when not in use (do not store in metal containers). Store in a cool, dry, area separated from strong acids, food and feedstuffs, metals, halogens. Store in an area having corrosion resistant concrete floor. Keep this product and all other chemicals out of reach of children.
DO NOT MIX WITH OTHER PRODUCTS OR CHEMICALS.

8 –EXPOSURE CONTROLS/PERSONAL PROTECTION

| Workplace Exposure Limits: | Long-term exposure limit (8-hour TWA reference period) | Short-term exposure limit (15-minute reference period) |
|-----------------------------------|---|---|
| N/A | -- | -- |

Protective gloves: Rubber.
Selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used, consult your supplier.
The applicable European standard can be found in EN 374.
Gloves should be replaced immediately if signs of degradation are observed.

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|------------------------------------|---|
| Eye protection: | Goggles or safety glasses with side shields |
| Respiratory protection: | Not required during normal handling. |
| Other protective equipment: | Eye wash station |
| Engineering controls: | Normal ventilation |

9 – PHYSICAL AND CHEMICAL PROPERTIES

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|--------------------------------|-----------------------|
| Appearance: | Solid tablet |
| Colour: | Light bleu |
| Odour: | Odourless |
| Solubility description: | Very soluble in water |
| Melting point: | >1000°C |
| pH (1% solution): | 13 |

10 – STABILITY AND REACTIVITY

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|--|--|
| Stability: | Stable under normal conditions. |
| Conditions to avoid: | Avoid extremes of temperature. |
| Materials to avoid: | The solution in water is a strong base; it reacts violently with acid and is corrosive to aluminium and zinc forming a flammable/explosive gas (hydrogen). Reacts with halogens causing a fire hazard. |
| Hazardous decomposition products: | Forms sodium ions and silicic acid when heated to decomposition. |

11 – TOXICOLOGICAL INFORMATION

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|-------------------------------------|---|
| Inhalation: | Irritation of nose, eyes, throat & respiratory tract. Severe over-exposure may result in coughing, wheezing, chest pain and possible lung damage. |
| Skin: | Irritation, reddening & swelling of the skin. Blistering may occur, with progressive ulceration and burns on prolonged contact. |
| Eyes: | Intense irritation, tearing and swelling of eyelids. Risk of slow healing burns and loss of sight. |
| Ingestion: | Do not eat, drink, or smoke during handling. Painful burns to mouth, throat, oesophagus and digestive tract. Blood may be vomited and abdominal perforations occur. |
| Carcinogenicity: | This product is not listed as a carcinogen. |
| Mutagenicity/Teratogenicity: | No evidence. |

12 – ECOLOGICAL INFORMATION

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| Ecotoxicity: | Dangerous for the environment if discharged into watercourses due to high pH. |
| Mobility: | Water soluble. Readily absorbed into soil. |
| Persistence and degradability: | Studies on biodegradation are not applicable (inorganic substance). |

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: No other data on possible environmental effects has been found.

13 – DISPOSAL CONSIDERATIONS

Waste disposal: Neutralise before disposal. Dispose of in accordance with Local Authority requirements.

14 – TRANSPORT INFORMATION

Label for conveyance:



UN No: UN 3253

Proper Shipping Name: Disodium trioxosilicate

ADR/RID/IATA/IMDG Class: 8 Corrosive substances

ADR/RID/IATA/IMDG Pack Group: III

Hazard No. (ADR): 80 Corrosive or slightly corrosive substance.

ADR Classification Code C6 Basic substances; inorganic, solid

IMDG EmS No: F-A, S-B

15 – REGULATORY INFORMATION

Label for supply: Corrosive



Risk phrases: R34 Causes burns.
R37 Irritating to respiratory system.

Safety phrases: S2 Keep out of the reach of children.
S13 Keep away from food, drink and animal feedingstuffs.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EU DIRECTIVES: This safety sheet is provided in compliance with the Safety Sheets Directive (91/155/EEC) as amended by 93/112/EC and 2001/58/EC

16 – OTHER INFORMATION

Legal Disclaimer

The above information is based on the present state of knowledge and tests of the product at the time of publication. It is given in good faith; no warranty is implied with respect to the quality or the specification of the product. The user must satisfy themselves that the product is entirely suitable for their purpose.

Note: The information that this data sheet contains does not constitute the users own assessment of workplace risk as required by other health & safety legislation.

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For further information contact:

Special Water Europe B.V.
PO Box 785
3900 AT Veenendaal
The Netherlands

+31 (0) 318 52 53 11