

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

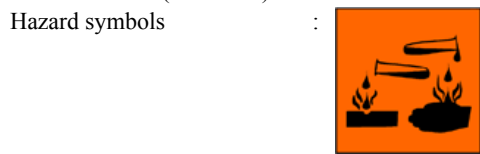
Product name : AQUAFINESSE FILTER CLEANER
 Product code : SWE-FC
 Application : Cleaning agent. Consumer product.
 Supplier : Special Water Europe BV
 Plesmanstraat 50
 3905 KZ Veenendaal, The Netherlands
 Telephone : +31-318-525 311
 Fax : +31-318-551 836
 E-mail : msds@aquafinesse.com
 Website : www.aquafinesse.com

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
 NL - Telephone : +31-318-525 311 (During office hours only)

2 HAZARDS IDENTIFICATION

Classification : Corrosive.
 Human health hazards : Causes burns. Irritating to respiratory system.
 Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives.
 Environmental hazards : Not classified as dangerous according to statutory EC-Directives.
 Other information : Keep locked up and out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Label elements (99/45/EC):



C: Corrosive

R- and S-phrases : R34 Causes burns.
 R37 Irritating to respiratory system.
 S1/2 Keep locked up and out of the reach of children.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 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).

3 COMPOSITION / INFORMATION ON INGREDIENTS

Product description : Preparation. Not classified as PBT or vPvB. Not included in the EU list with SVHC substances.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC nr.	Symbols	R-phrases
Sodium silicate	25 - 50	6834-92-0	229-912-9	C	34-37
Citric acid	20 - 25	77-92-9	201-069-1	Xi	37/38-41
Aluminium hydroxide	1 - 5	21645-51-2	244-492-7	-----	-----

Reference is made to chapter 16 for full text of each relevant R phrase. Occupational exposure limit(s), if relevant, are listed in section 8.

4 FIRST-AID MEASURES

Effects and symptoms

- Inhalation : Corrosive. May cause sore throat and coughing. May cause shortness of breath or lack of breath.
- Skin contact : Corrosive. May cause redness, pain and burns (blisters).
- Eye contact : Corrosive. May cause redness and severe pain. Tears.
- Ingestion : Corrosive. May cause burning pain in throat and mouth. May cause a feeling of sickness, stomachache, vomiting and diarrhoea.

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor.
- Skin contact : Immediately take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor in case burns or irritation occur.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor immediately.
- Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor immediately if victim feels unwell.

5 FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable : Carbon dioxide (CO₂). Foam. Dry chemical. Water fog.
- Not suitable : None known.

Special exposure hazards

: None known.

Hazardous thermal decomposition products

: Carbon monoxide may be evolved if incomplete combustion occurs.

Special protective equipment for fire-fighters

: Use adequate respiratory equipment in case of insufficient ventilation.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

: Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. See also section 8.

Environmental precautions

: Avoid release of product into sewers, surface water and/or ground water.

Methods for cleaning up

: Collect spilled material in containers. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

Other information

: Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

7 HANDLING AND STORAGE

Handling

: Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Avoid contact with skin and eyes. Wear protective clothing.

Storage

: Keep in a cool, dry and well-ventilated place (< 35 °C). Keep away from food, drink and animal feedingstuffs.

Recommended packaging

: Keep only in the original container.

Use

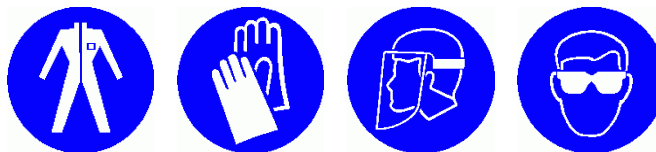
: Use only as directed. Do not mix with other products.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.
- Hygienic measures : When using do not eat, drink or smoke.
- Occupational exposure limits : Occupational exposure limits have not been established for this product.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



- Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: PVC. Indication of permeation breakthrough time: not permeable.
- Respiratory protection : Take care of sufficient ventilation.
- Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: PVC. ± 0,5 mm
Indication of permeation breakthrough time: not permeable.
- Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Solid.
- Colour : Blue.
- Odour : Characteristic.
- pH : Not applicable. Solid.
- Solubility in water : Soluble.
- Partition coefficient (n-octanol/water) : Not known.
- Flash point : Not applicable.
- Auto ignition temperature : Not applicable.
- Boiling point/boiling range : Not applicable.
- Melting point/melting range : Not applicable.
- Explosion limits (in air) : Not applicable.
- Oxidising properties : Not applicable. Does not contain oxidizing substances.
- Viscosity (20°C) : Not applicable.
- Vapour pressure (20°C) : Not applicable.
- Vapour density (20°C) : Not applicable. (air = 1)
- Relative density (20°C) : Not known.
- Evaporation rate : Not applicable. (n-butyl acetate = 1)

10 STABILITY AND REACTIVITY

- Stability : Stable under normal conditions.
- Conditions to avoid : See section 7.
- Materials to avoid : No specific recommendations.
- Hazardous decomposition products : Not known.
- Reactivity : No other hazardous reactions known.

11 TOXICOLOGICAL INFORMATION

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 74 %. ATE: 0,5 mg/l.

- Corrosion/irritation : Corrosive. May cause sore throat and coughing. May cause pulmonary oedema. Symptoms of pulmonary oedema often manifest after several hours.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Skin contact
- Acute toxicity : Calculated LD50: > 2347 mg/kg,bw. Ingredients of unknown toxicity: 76 %. ATE: 300 mg/kg,bw.
- Corrosion/irritation : Corrosive. May cause redness, pain and burns (blisters).
- Eye contact
- Corrosion/irritation : Corrosive. Risk of serious damage to eyes.
- Ingestion
- Acute toxicity : May cause signs of intoxication and reduced consciousness after exposure to high concentrations. May cause feeling of sickness, malaise, shortness of breath and lack of breathe. Calculated LD50: > 1188 mg/kg,bw. ATE: 500 mg/kg,bw.
- Corrosion/irritation : Corrosive. May cause burning pain in throat and mouth. May cause a feeling of sickness, stomachache, vomiting and diarrhoea.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Test animal	Method
Sodium silicate	LD50 (oral)	600 mg/kg	Rat	-----
	Skin irritation	Corrosive.	Rabbit	OECD 404

12 ECOLOGICAL INFORMATION

- No ecotoxicological research has been carried out on this product.
- Ecotoxicity : No specific information known. Not classified as dangerous for the aquatic environment.
- Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.
- Persistence – degradability : No specific information known.
- Bioaccumulative potential : No specific information known.
- PBT/vPvB assessment : Not applicable.
- Other information : Not applicable.

13 DISPOSAL CONSIDERATIONS

- Product residues : Do not dispose empty pack with regular household waste. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.
- Additional warning : None.
- European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.
- Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

14 TRANSPORT INFORMATION

- UN nr. : UN 3253
- Transport name : DISODIUM TRIOXOSILICATE
- ADR/RID (road / railway)
- Class : 8

Classification code : C6
Packaging group : III
Danger label : 8



IMDG (sea)
Class : 8
Packaging group : III
EmS (fire / spill) : F - A / S - B
Marine pollutant : No

IATA (air)
Class : 8

Other information : Country specific variations may apply.

15 REGULATORY INFORMATION

Community regulations : EC Directive 67/548/EEC (substances), 99/45/EC (preparations) and other regulations.

Additional labelling

Other information : The packaging shall carry the text: Contains: Sodium silicate
According to directive 99/45/EC, the packaging of this product shall carry a tactile warning of danger and a child resistant closure.

16 OTHER INFORMATION

The information in this safety data sheet is compiled in compliance with Regulation (EC) 1907/2006 dated 18 December 2006 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of R-phrases mentioned in section 3:

R34 Causes burns.
R37 Irritating to respiratory system.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.

Number format : "," used as decimal separator.

History

Date of first issue : 01-03-2011