

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING *

1.1. Product identifier

Product name : AQUAFINESSE HOT-TUB
 Product code : SWE-HTL

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

Application : SU21 Consumer product. PC35 Cleaning agent. Pool and spa maintenance.

1.3. Details of the supplier of the safety data sheet

Supplier : AquaFinesse Nederland
Plesmanstraat 50
3905 KZ VEENENDAAL, The Netherlands

Telephone : +31 318 525 311
 Fax : +31 318 551 836
 E-mail : msds@aquafinesse.com

Distributor : AquaFinesse LLC
3226 Taylorsville Highway
Statesville, NC 28625

Telephone : (513)530-0800
 Website : www.aquafinesse.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
 NL - Telephone : +31 318 525 311 (During office hours only)
 U.S. PERS Emergency Telephone : 1-800-633-8253

SECTION 2 HAZARDS IDENTIFICATION *

2.1. Classification of the substance or mixture

Classification (99/45/EC) : Not classified as dangerous according to statutory EC-Directives.
 CLP classification (1272/2008/EC) : Not classified as dangerous according to Regulation (EC) No 1272/2008.
 Human health hazards : Low hazard for usual industrial or commercial handling.
 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 out of the reach of children. 2.2. Label elements

2.2. Label elements (1272/2008/EC)

Hazard pictograms : None.
 Signal word : Not applicable.
 H- and P-phrases : None.

Additional labelling (99/45/EC and/or 1272/2008/EC) : Keep out of the reach of children.

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS *

3.1. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance Name	Concentration (w/w) (%)	CAS #	EC Number	Symbols	R-Phrases
Sodium Carbonate	1 - <5	497-19-8	207-838-8	Xi	36
Disodium Metasilicate	1 - <5	6834-92-0	229-912-9	C	34-37

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.

Substance name	REACH #	Hazard Class	Pictograms	H-phrases
Sodium carbonate	01-2119485498-19	Eye Irrit. 2	GHS07	H319
Disodium metasilicate	01-2119449811-37	Skin Corr. 1B; STOT SE 3	GHS05; GHS07	H314; H335

Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES *

4.1. Description of first aid measures

- Inhalation : Move victim into fresh air. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor if irritation persists.
- 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 if victim feels unwell.

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

- Inhalation : No specific effects and/or symptoms are known.
- Skin contact : No specific effects and/or symptoms are known.
- Eye contact : May cause stinging of eyes and redness.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhea

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

- Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES *

5.1. Extinguishing media

- Suitable : Carbon dioxide (CO₂), foam, dry chemical, water fog.
- Not suitable : None known.

5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : None known. Non flammable product.
- Hazardous thermal decomposition products : Not applicable

5.3. Advice for firefighters

- Special protective equipment for fire-fighters : Not applicable.

SECTION 6 ACCIDENTAL RELEASE MEASURES *

- 6.1. Personal precautions, protective equipment and emergency procedures**
 Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles.
- 6.2. Environmental precautions**
 Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. Large spills: contain with dike.
- 6.3. Methods and material for containment and cleaning up**
 Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorized waste collection point. Wash away remainder with plenty of water and soap.
- 6.4. Reference to other sections**
 Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE *

- 7.1. Precautions for safe handling**
 Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Avoid contact with skin and eyes.
- 7.2. Conditions for safe storage, including any incompatibilities**
 Storage : Keep in a cool, dry and well-ventilated place (< 35 °C).
 Recommended packaging : Keep only in the original container.
 Non recommended packaging : Steel (except stainless steel).
- 7.3. Specific end use(s)**
 Use : Use only as directed. Do not mix with other products.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION *

- 8.1. Control parameters**
 Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) concentrations (PNEC) have not been established for this product. Predicted no-effect established for this product.

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Sodium carbonate Disodium metasilicate	Inhalation			10 mg/m ³	
	Dermal				1.49 mg/kg bw/day
	Inhalation				6.22 mg/m ³

- 8.2. Exposure controls**
 Engineering measures : Not applicable.
 Hygienic measures : When using do not eat, drink or smoke.
- 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 : Use of specific protective industrial clothing is not required under normal conditions of use.
- Respiratory protection : Take care of sufficient ventilation.
 Hand protection : Under normal conditions of use specific gloves are not required.
 Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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9.1. Information on basic physical and chemical properties

Appearance	: Liquid.
Color	: Colorless.
Odor	: Odorless.
Odor threshold	: Not applicable. Odorless.
pH	: 11.4
Solubility in water	: Soluble.
Partition coefficient (n-octanol/water)	: Not known.
Flash point	: Not applicable. Does not contain combustible substances.
Flammability (solid, gas)	: Not applicable. Liquid.
Auto ignition temperature	: Not applicable. Does not contain combustible substances.
Boiling point/boiling range	: 100 °C
Melting point/melting range	: <0 °C
Explosive properties	: None known. Does not contain explosives.
Explosion limits (in air)	: Not applicable.
Oxidizing properties	: Not applicable. Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.
Viscosity (20°C)	: Not known.
Viscosity (40°C)	: Not relevant. The product contains <10% substances having an aspiration hazard.
Vapor pressure (20°C)	: 2300 Pa
Vapor density (20°C)	: 1. The solvent content of this product is less than 1%
Relative density (20°C)	: 1 g/ml
Evaporation rate	: <1. (n-butyl acetate = 1)

SECTION 10 STABILITY AND REACTIVITY

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10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : No specific recommendations.

10.6. Hazardous decomposition products

Hazardous decomposition products : None known.

SECTION 11 TOXICOLOGICAL INFORMATION *

11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

Acute toxicity : Ingredients of unknown toxicity: 2 %. ATE: > 5 mg/l. Low toxicity. the classification criteria are not met. No specific effects

Not classified - based on available data, and/or symptoms are known.

Corrosion/irritation : No specific effects and/or symptoms are known. Not classified - based on criteria are not met.

Sensitization : Does not contain respiratory sensitizers. Not classified - based on available data, the classification criteria are not met.

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.

Skin contact

Acute toxicity : Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low available data, the classification criteria are not met.

Corrosion/irritation : No specific effects and/or symptoms are known. Not classified - based on available data, the classification criteria are not met.

Sensitization : Does not contain skin sensitizers. 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.

Eye contact

Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not met.

Ingestion

Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low criteria are not met. toxicity. Not classified - based on available data, the classification

Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhea. Not classified - based on available data, the classification criteria are not met.

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.

SECTION 12 ECOLOGICAL INFORMATION *

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 20000 mg/l. Calculated EC50 (waterflea): 200000 mg/l. Contains < 1 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met

12.2. Persistence and degradability

Persistence – degradability : No specific information known.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Spilled product can penetrate into the ground and get into the surface water and ground water.

12.5. Results of PBT and vPvB Assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances.

12.6. Other adverse effects

Other information : Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS *

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as chemical waste. Dispose waste to an official chemical waste

depot.
 Additional warning : None.
 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.

SECTION 14 TRANSPORT INFORMATION *

14.1. UN number

UN number : None

14.2. UN proper shipping name

Transport name : Not regulated.

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : This product is not classified according to ADR/RID.

IMDG (sea)

Class : This product is not classified according to IMDG.

Marine pollutant : No

IATA (air)

Class : This product is not classified according to IATA.

14.6. Special precautions for user

Other information : Country specific variations may apply.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Marpol : Not intended to be carried in bulk according to International Maritime Organization (IMO) instruments.

SECTION 15 REGULATORY INFORMATION *

15.1. SARA Title III

SARA 302 Components : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards : Acute Health Hazard

15.2. State Regulations

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components	CAS-No.	Revision Date
Sodium carbonate	497-19-8	
Disodium metasilicate	6834-92-0	

New Jersey Right To Know Components	CAS-No.	Revision Date
Sodium carbonate	497-19-8	
Disodium metasilicate	6834-92-0	

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

Community regulations : Regulation (EC) No 453/2010 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. This product need not be classified under statutory EC-regulations.

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

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16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EC) No 453/2010 dated 20 May 2010 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.

Full text of R-phrases mentioned in section 3:

R34	Causes burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.

Full text of H-phrases mentioned in section 3:

H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Number format : "," used as decimal separator.

Date of Issue: 11-19-2015
 Replaces Issue Dated: 01-22-2014