
SAFETY DATA SHEET

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

1.1. Product identifier

Product Name: Aquagarde
Product Form: Mixture
Datasheet Number: 213

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

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

1.3. Details of the supplier of the safety data sheet

Name of Supplier: Plastica Ltd
Address of Supplier: Perimeter House
Napier Road
St Leonards-on-Sea East
Sussex TN38 9NY
United Kingdom
Telephone: +44 (0) 1424 857857
Fax: +44 (0) 1424 857858
Responsible Person:
Email: info@plasticapools.net

1.4. Emergency telephone number 0800 043 0892

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:

Hazard pictograms (GHS-US)	:	None
Signal Word	:	Not applicable
H- and P- phrases	:	None
Additional labelling (99/45/EC and/or 1272/2008/EC)	:	Keep out of reach of children

2.3 Other Hazards:

- Does not contain PBT or vPvB substances in concentrations higher than 0,1%

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. Occupations 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.

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 not 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 More 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 extinguishing media: Carbon dioxide (CO₂), foam, dry chemical, water fog.
Unsuitable extinguishing media: 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

Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles.

6.2 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

Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4 Reference to other sections

See also section 8.

Section 7: Handling and storage

7.1 Precautions for safe 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 only as directed. Do not mix with other products.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits: Occupation exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been 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 Dermal Inhalation			10 mg/m ³	1,49 mg/kg bw/day 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 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.

Environmental exposure Controls: Avoid release to the environment.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid
Colour: Colourless
Odour: Odourless
Odour Threshold: Not applicable. Odourless.
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.
Vapour pressure (20°C):	2300 Pa
Vapour 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

10.1 Reactivity

- See sub-sections below.

10.2 Chemical stability

- Stable under normal conditions.

10.3 Possibility of hazardous reactions

- No other hazardous reactions known.

10.4 Conditions to avoid

- See section 7

10.5 Incompatible materials

No specific recommendations.

10.6 Hazardous Decomposition Products

None known.

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet.

However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.