

AQUAMARINE CHEMICALS
PRODUCT SAFETY DATA SHEET
(according to Regulation (EC) No. 453/2010)

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Trade Name : **HD Foodsafe Tile Cleaner T1001**

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

Use of the : Chlorinated Sanitising Hard Surface Cleaner
Substance/Mixture

Recommended restrictions : At this time we do not have information on restrictions on use. They will be included when available

1.3 Details of the supplier of the safety data sheet

Company : Aquamarine Chemicals, 2 Duddage Manor Business Park, Twynning, Glos.
GL20 6BY. Tel: 01684 290077 Fax: 01684 290608

1.4 Emergency telephone number

Emergency phone number : (Office hours only): 01405 768815

2. Hazards Identification.

2.1 Classification of the substance or mixture

Classification according to EU Directive 1999/45/EC

Hazard Symbol/Category of danger	Risk Phrases
Corrosive	R34 R31

Classification according to Regulation (EC) No 1272/2008

Refer to Section 16.

For the wording of the listed R phrases or H statements, refer to section 16.

2.2 Label elements

Labelling according to EU Directive 1999/45/EC

Hazard Symbol:



Classification: C Corrosive

Risk Phrases: R31: Contact with acids liberates toxic gas
R34: Causes burns

Safety Phrases S2: Keep out of reach of children.
S24/25: Avoid contact with skin and eyes
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).

Labelling according to Regulation (EC) No 1272/2008

Refer to Section 16.

2.3 Other hazards

No other information is available

Hazardous components which must be listed on the label

Sodium Hydroxide

3. Composition/Information on Ingredients.

3.2 Mixtures

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Sodium Hypochlorite	EC – 231-668-3 CAS – 7681-52-9	Corrosive R34 Dangerous for the environment R50 R31	Skin Corr.1B H314 Aqua Acute 1 H400 EUH031	10-15%
Alkyl Amine Oxide	EC – 273-281-2 CAS – 68955-55-5	Irritant R38, R41 Dangerous for the environment R50	Skin Irrit. 2 H315 Eye Damage 1 H318 Aqua Acute 1 H400	1-4.9%
Sodium Hydroxide	EC – 215-185-5 CAS – 1310-73-2	Corrosive R35	Skin Corr. 1A H314	1-4.9%

For the wording of the listed R phrases or H statements, refer to section 16.

4. First Aid Measures.

4.1 Description of first aid measures

Eye Contact: Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

Skin Contact: Wash off with water. The application of skin reconditioning (emollient) cream can be beneficial.

Inhalation: Remove to fresh air. If symptoms persist, seek medical advice.

Ingestion: Do not induce vomiting. Rinse mouth with water. Call for medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

5. Fire Fighting Measures:

5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2, fine water spray suitable.

Unsuitable Extinguishing Media : None

5.2 Special hazards arising from the substance or mixture

Not classed as flammable.

5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

6. Accidental Release Measures.

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

6.2 Environmental precautions

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

6.3 Methods and materials for containment and cleaning up

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

6.4 Reference to other sections

For personal protection refer to section 8

7. Handling and Storage.

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Keep in tightly closed containers. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs. Avoid direct sunlight.

7.3 Specific end uses

To be used as a hard surface cleaner.

8. Exposure Controls/Personal Protection.

8.1 Control parameters

Ingredient Name		8hr TWA	15min STEL
Sodium Hydroxide	WEL	-	2mg/m3

8.2 Exposure controls

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.

Eyes: Eye protection should be worn.

Hand: PVC or rubber gloves are recommended.

Skin: Wear protective clothing. Remove contaminated clothing and wash with soap and water.

8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.

9.1 Information on basic physical and chemical properties

Appearance:	Very Pale Green Fluid
Odour:	Bleach
Odour Threshold:	Not determined
pH Neat:	13.5 typical
Freezing Point:	0°C typical
Initial Boiling Point & Boiling Range:	100°C
Flash Point:	Not applicable
Evaporation rate:	Not determined
Flammability:	Not Flammable
Upper/Lower Flammability Limits:	Not applicable
Vapour Pressure:	18mm Hg (water)
Vapour Density:	Not determined
Relative Density:	1.09 typical @ 20°C
Solubility:	Soluble in water
Partition Coefficient (Oct/Water):	Not determined
Auto Ignition Temperature:	Not applicable
Decomposition Temperature:	>100°C
Viscosity:	As water

Explosive Properties: Not applicable
Oxidising Properties: Not determined

9.2 Other Information
pH @ 5% in tap water: 13.00 typical

10. Stability and Reactivity.

10.1 Reactivity

Reacts with acids to liberate chlorine gas.

10.2 Chemical Stability

Decomposes under direct sunlight with evolution of oxygen.

10.3 Possibility of hazardous reactions

Reacts with ammonia solutions and amines to form explosive compounds.

10.4 Conditions to Avoid:

High temperatures, naked flames, direct sunlight.

10.5 Incompatible materials

Strong oxidising agents, strong acids, reducing agents.

10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions. Liberates toxic gas in contact with acids.

11. Toxicological Information.

11.1 Information on toxicological effects

Eyes: Classified as corrosive. Will cause irritation and at high concentrations may cause burns with permanent eye damage.
Skin: Product is classified as corrosive. Exposure to the skin may cause burns or irritation.
Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation or burns to eyes and respiratory tract.
Ingestion: Causes severe irritation of the mouth, throat and respiratory tract.

Acute Toxicity:	Sodium Hydroxide	LD50 Oral (rat)	325mg/kg
	Sodium Hypochlorite	LD50 Oral (mus)	5800mg/kg
	Alkyl Amine Oxide	LD50 Oral (rat)	>2000 mg/kg

12. Ecological Information.

12.1 Toxicity

Sodium Hydroxide is lethal to aquatic life if the pH of the water rises to 10.0 or more.

Eco-toxicity:	Sodium Hydroxide	LC50 96hrs (fish)	125mg/l
		EC50 48hrs (daphnia)	41mg/l
	Sodium Hypochlorite	LC50 96hrs (fish)	0.01 – 0.1mg/l
	Alkyl Amine Oxide	LC50 96hrs (fish)	<1mg/l

12.2 Persistence and Degradability:

The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bio-accumulative potential

Not expected to bio-accumulate

12.4 Mobility in soil

No information.

12.5 Results of PBT and vPvB assessment

No information

12.6 Other adverse effects

Not known.

13. Disposal Recommendations.

13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

14.1 UN number

1791

14.2 UN Proper shipping name

ADR Hypochlorite Solution

IMDG Hypochlorite Solution

14.3 Transport hazard classes

ADR Class	:	8
Hazard ID No.	:	80
Classification code	:	C9
Tunnel restriction code	:	E
Labels	:	Class 8



IMDG Class	:	8
EMS	:	F-A, S-B
Labels	:	Class 8



14.4 Packing group

ADR	:	III
IMDG	:	III

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR	:	No
Labelling according to 5.2.1.6.3 IMDG	:	No
Classified as 'P' Marine pollutant according to 2.10 IMDG	:	No

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code

No information

15. Regulatory Information.

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

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment

No information at the present time.

16. Other Information.

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Skin Corrosion	Category 1C	H314

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols:



Signal word: **Danger**

Hazard Statements:	H314:	Causes severe skin burns and eye damage
	EUH031:	Contact with acids liberates toxic gas

Precautionary Statements:

General:

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

Prevention:

P262: Do not get in eyes, on skin or on clothing

P280: Wear protective gloves/eye protection

Response:

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

Full text of R-phrases referred to under sections 2 & 3

R31: Contact with acids liberates toxic gas
R34: Causes burns
R35: Causes severe burns
R38: Irritating to skin
R41: Risk of serious damage to eyes
R50: Very toxic to aquatic organisms

Full text of H-Statements referred to under sections 2 & 3

H314: Causes severe skin burns and eye damage
H315: Causes skin and eye irritation
H318: Causes serious eye damage
H400: Very toxic to aquatic life
EUH031: Contact with acids liberates toxic gas

Training Advice

Users should be trained in good industrial hygiene practise.

Department issuing data specification sheet: Health and Safety Department

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

Further Information

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