

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

1.1. Product identifier

Product Name: Ultraclean SA

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

Use of substance / mixture: Ultrasonic cleaning detergent

1.3. Details of the supplier of the safety data sheet

Company name: Ultrawave Limited
Eastgate business Park
Wentloog Avenue
Cardiff
CF3 2EY
UK

Telephone: 0845 330 4236

Email: admin@ultrawave.co.uk

1.4. Emergency telephone number

Emergency Telephone: 0845 330 4236

Section 2: Hazards identification (Undiluted product)

2.1. Classification of the mixture

Eye Dam. 1, Skin Corr. 1B

2.2. Label elements

Hazard statements: H314: Causes severe skin burns and eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion



Precautionary statements: H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
P260 Do not breathe mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P 331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.

2.3 Other Hazards

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

Sodium Silicate

CAS	Percent	CLP Classification	Statements
6834-92-0	5-15%	Met. Corr. 1, Skin Corr. 1B, STOT SE 3	H314 H335 H290

Sodium EDTA

CAS	Percent	CLP Classification	Statements
-	5-15%	Eye Irrit. 2	H319

Nonionic surfactant

CAS	Percent	CLP Classification	Statements
68439-46-3	1-5%	Acute Tox. 4, Eye Dam. 1	H302 H318

Anionic surfactant

CAS	Percent	CLP Classification	Statements
1300-72-7	1-5%	Eye Irrit. 2	H319

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Remove contaminated clothing, wash skin with water and seek medical attention if irritation persists.
- Eye contact:** Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.
- Inhalation:** If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.
- Ingestion:** Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

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

- Eye hazard:** Will cause severe irritation and damage.
- Skin hazard:** Causes severe burns.
- Respiratory hazard:** Breathing spray mist may cause irritation.

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

Immediate / special treatment:

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: No special requirements. As appropriate for the fire.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: No specific hazards arising from the mixture.

5.3. Advice for fire-fighters

Advice for fire-fighters: No special measures arising from the mixture.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8
Spillage may make floors slippery. Keep the area clear. Observe regulations.

6.2. Environmental precautions

Environmental precautions: Prevent spills from entering water courses.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Small quantities, flush to foul sewer with a large quantity of water.
Large quantities, contain and absorb or pump into suitable containers for disposal.

6.4. Reference to other sections

Reference to other sections: Observe the advice given in sections 8 and 13

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Do not mix with other products. Observe good industrial hygiene.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, dry place protected from frost and away from acids, strong oxidising agents and sources of ignition. Store upright in original containers.
Recommended storage temperature 5-25°C.

7.3. Specific end use(s)

Specific end use(s): Use a 2-5% solution, according to the state of the article to be cleaned.
Temperatures of up to 60°C will speed the rate of cleaning. Higher temperatures may be used in suitable plants.
Treated parts should be rinsed in water after processing.
Use only as directed.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: None set in UK EH40

8.2. Exposure controls

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Respiratory protection: Use in a well ventilated area, avoid breathing spray mist, wear a protective mask to EN149 if necessary.

Hand protection: Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments.

Eye protection: Wear eye protection appropriate to the process according to BS EN 166.

Body protection: As necessary to prevent contact.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Green

Odour: Mild, characteristic.

Solubility in water: Miscible with water

Boiling point/range°C: > 100°C.

pH: 9.8 1% in water (typical).

Auto-ignition temperature: Not applicable.

Explosive properties: Not applicable.

Oxidising properties: Not applicable.

Vapour pressure: 17.5mm Hg at 20°C.

Flash point: Not applicable.

Viscosity: Free flowing.

Relative density at 20° C (typical): 1.112

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Incompatible with strong oxidising agents and acids.

10.2. Chemical stability

Chemical stability: Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: No hazardous reactions are expected to occur.

10.4. Conditions to avoid

Conditions to avoid: Extremes of temperature.

10.5. Incompatible materials

Materials to avoid: Incompatible with strong oxidising agents and acids.

10.6. Hazardous decomposition products

Haz. decomp. products: None known.

Section 11: Toxicological information

11.1. Information on toxicological effects

- Acute toxicity:** Based on available data, the classification criteria are not met.
- Skin corrosion/ irritation:** Mixture is classified as Skin Corr. 1B. See section 2.
- Serious eye damage/ irritation:** Mixture is classified as Eye Dam. 1. See section 2.
- Respiratory or skin sensitisation:** Does not contain any ingredients classified as sensitising.
- Germ cell mutagenicity:** Does not contain any ingredients classified as mutagenic.
- Carcinogenicity:** Does not contain any ingredients classified as carcinogenic.
- Reproductive toxicity:** Does not contain any ingredients classified as toxic for reproduction.
- STOT single exposure:** Contains an ingredient classified as STOT SE 3. Section 3. Mixture is not classified as STOT SE 3.
- STOT repeated exposure:** Does not contain any ingredients classified as STOT RE.
- Aspiration toxicity:** Does not contain any ingredients classified as Asp Tox.

Symptoms / routes of exposure

- Skin contact:** Causes severe burns.
- Eye contact:** Will cause severe irritation and damage.
- Ingestion:** Moderate toxicity, will cause irritation to gastro-intestinal tract due to alkalinity.
- Inhalation:** Breathing spray mist may cause irritation.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: May affect aquatic organisms due to high pH if released into water courses untreated.

12.2. Persistence and degradability

Persistence and degradability: All organic ingredients are biodegradable when well diluted. Surfactants used comply with biodegradation criteria, see section 15.1.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not expected to bioaccumulate

12.4. Mobility in soil

Mobility: This product has high water solubility

12.5. Results of PBT and vPvB assessment

PBT identification: Contains no ingredients classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects: No other adverse effects are anticipated.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Process effluent can normally be discharged to foul sewer (subject to consent limits). Large quantities, dispose via a licensed chemical waste contractor. Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

Section 14: Transport information

14.1. UN number

UN number: 3266

14.2. UN proper shipping name

Shipping name: Corrosive Liquid, basic, inorganic, N.O.S.

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: 2

14.5. Environmental hazards

Environmentally hazardous: Not classified as environmentally hazardous for transport

14.6. Special precautions for user

Special precautions: No specific precautions.

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

Not available for bulk transport.

Section 15: Regulatory information

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

Contents according to (EC) regulation No.648/2004 on

detergents: Nonionic surfactants <5%

Anionic surfactants <5%

The surfactant(s) contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents.

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.

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

Section 16: Other information

Other information

Other information: Hazard statements relating to ingredients (see section 3)
H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation
H290 May be corrosive to metals
H319 Causes serious eye irritation
H302 Harmful if swallowed
H318 Causes serious eye damage

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemical (Hazard Information and Packaging) Regulations. The information we have provided is correct to the best of our knowledge, information and belief at the date of its publication.

The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered a warranty or quality specification. The information relates only to the material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.