

**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:

| CAS                 | Percent | EC No (where available) | EU REACH reg. no. (Where available) | CLP Hazard Classification              | Statements       |
|---------------------|---------|-------------------------|-------------------------------------|--|------------------|
| Sodium Silicate     |         |                         |                                     |  |                  |
| 6834-92-0           | 5-15%   | 229-912-9               | 01-2119449811-27                    | Met. Corr. 1, Skin Corr. 1B, STOT SE 3 | H314, H335, H290 |
| Sodium EDTA         |         |                         |                                     |  |                  |
| -                   | 5-15%   |                         |                                     | Eye Irrit. 2                           | H319             |
| Nonionic surfactant |         |                         |                                     |  |                  |
| 68439-46-3          | 1-5%    | 931-514-1               |                                     | Acute Tox. 4, Eye Dam. 1               | H302, H318       |
| Anionic surfactant  |         |                         |                                     |  |                  |
| 1300-72-7           | 1-5%    |                         | 01-2119513350-56                    | 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

Shelf Life: 24 months in original sealed container

### 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:** Miscible with water

**Boiling point:** 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.