

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

### 1.1. Product identifier

**Product Name:** Ultraclean RI

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

**Use of substance / mixture:** Ultrasonic rust inhibitor and 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:** 029 2083 7337

**Email:** admin@ultrawave.co.uk

### 1.4. Emergency telephone number

**Emergency Telephone:** 029 2083 7337 (office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Skin Corr. 1A: H314

**Most important adverse effects:** Causes severe skin burns and eye damage.

### 2.2. Label elements

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

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion



**Precautionary statements:** P280: Wear protective gloves and eye/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing.  
Rinse skin with water.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P310: Immediately call a POISON CENTRE or doctor.  
P405: Store locked up.

### 2.3 Other Hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

2-AMINOETHANOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
205-483-3	141-43-5	-	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314	1-10%

**Section 4: First aid measures**

**4.1. Description of first aid measures**

- Skin contact:** Remove contaminated clothing immediately and rinse skin with plenty of water. Get medical attention immediately.
- Eye contact:** Bathe the eye with running water for 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.
- Ingestion:** Immediately rinse mouth and drink plenty of water (200-300ml). Do not induce vomiting. Obtain medical attention.
- Inhalation:** Move the exposed person to fresh air at once. Get medical attention.

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

- Skin contact:** Blistering may occur.
- Eye contact:** Corneal burns may occur. May cause permanent damage.
- Ingestion:** May cause chemical burns in mouth and throat.
- Inhalation:** There may be shortness of breath with a burning sensation in the throat.
- Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Corrosive.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**2-AMINOETHANOL**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	2.5 mg/m <sup>3</sup>	7.6 mg/m <sup>3</sup>	-	-

### 8.2. Exposure controls

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** No special requirements under normal use conditions.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses or safety goggles.

**Skin protection:** Wear suitable protective clothing as protection against splashing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** White

**Odour:** Ammonia

**Solubility in water:** Non-viscous

**Relative density:** 1.01 - 1.03

**pH:** 12 @1%

### 9.2. Other information

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**2-AMINOETHANOL**

IVN	RAT	LD50	225	mg/kg
ORL	MUS	LD50	700	mg/kg
ORL	RAT	LD50	1720	mg/kg
SCU	RAT	LD50	1500	mg/kg

**Relevant hazards for substance:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** Blistering may occur.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** May cause chemical burns in mouth and throat.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN2491.

### 14.2. UN proper shipping name

**Shipping name:** ETHANOLAMINE SOLUTION.

### 14.3. Transport hazard class(es)

**Transport class:** 8

### 14.4. Packing Group

**Packing Group:** III

### 14.5. Environmental hazards

**Environmentally hazardous:** No  
**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions  
**Tunnel code:** E  
**Transport category:** 3

## Section 15: Regulatory information

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

**Specific regulations:** Regulation (EC) No. 1907/2006 - REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals)  
Regulation (EC) No. 1272/2008 - CLP (classification, labelling and packaging of substances and mixtures)

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.  
\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H332: Harmful if inhaled.

**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.