

**Ultrasonic Cleaner ULTRA 25**

Revision date: 22.08.2019

Product code: 8

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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

Cleaner for industrial use.

**1.3. Details of the supplier of the safety data sheet**

Company name:	Jentner Plating Technology GmbH	
Street:	Johann-Staib-Strasse 2	
Place:	D-75179 Pforzheim	
Telephone:	+49 (0)7231 418094 0	Telefax: +49 (0)7231 418094 77
e-mail:	info@jentner.de	
Contact person:	Department of Chemistry	
Internet:	www.jentner.de	
Responsible Department:	Poison Information Center of the University of Freiburg.	

**1.4. Emergency telephone number:**

0049 (0)761 19240 - 24 h german and english

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Reproductive toxicity: Repr. 1B

Hazard Statements:

Causes serious eye damage.

May damage fertility. May damage the unborn child.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

disodium tetraborate, anhydrous; boric acid, disodium salt

**Signal word:** Danger**Pictograms:****Hazard statements**

H318 Causes serious eye damage.

H360FD May damage fertility. May damage the unborn child.

**Precautionary statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container to an officially registered waste disposal company .

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### Special labelling of certain mixtures

EUH031 Contact with acids liberates toxic gas.

### 2.3. Other hazards

This information is not available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1330-43-4	disodium tetraborate, anhydrous; boric acid, disodium salt			40-60 %
	215-540-4	005-011-00-4		
	Repr. 1B; H360FD			
7722-88-5	Tetranatriumpyrophosphat			20-40 %
	231-767-1			
7757-83-7	sodium sulfite			10-20 %
	231-821-4			
	EUH031			
68439-50-9	Alkohol(C12/14)-ethoxylate 6EO			1-3 %
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Repeated exposure may cause skin dryness or cracking.

#### After inhalation

Call a POISON CENTER if you feel unwell.

#### After contact with skin

Rinse cautiously with water for several minutes.

#### After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water.

IF SWALLOWED: Call a POISON CENTER/doctor/.?/ if you feel unwell.

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

No information available.

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

Causes serious eye damage.

## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder. Water spray jet

#### **Unsuitable extinguishing media**

High power water jet.

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

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Sulfur oxides.

### 5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

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

Avoid contact with skin and eyes.

Avoid dust formation.

Wear eye/face protection.

### 6.2. Environmental precautions

Do not empty into drains; dispose of this material and its container in a safe way.

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

Take up mechanically.

### 6.4. Reference to other sections

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

When using do not eat, drink, smoke, sniff.

Avoid contact with skin and eyes.

Avoid dust formation.

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

#### **Requirements for storage rooms and vessels**

Store in a cool dry place.

Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

Reserved for industrial and professional use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1330-43-4	Disodium tetraborate, anhydrous	-	1		TWA (8 h)	WEL
7722-88-5	Tetrasodium pyrophosphate	-	5		TWA (8 h)	WEL

#### **Additional advice on limit values**

No substance related limit value derivable.

### 8.2. Exposure controls

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**Appropriate engineering controls**

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

**Protective and hygiene measures**

When using do not eat, drink, smoke, sniff.

**Eye/face protection**

Eye glasses with side protection

**Hand protection**

Wear suitable gloves.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	Powder	
Colour:	White/yellow	
Odour:	not determined	
pH-Value (at 20 °C):		ca. 9

**Changes in the physical state**

Melting point:	not determined
Sublimation point:	not determined

**Explosive properties**

not explosive.

**Oxidizing properties**

Not oxidising.

Bulk density:	not determined
Water solubility:	highly soluble.

**Solubility in other solvents**

not determined

Partition coefficient:	No data available
Solvent separation test:	not applicable

**SECTION 10: Stability and reactivity****10.2. Chemical stability**

No data available

**10.3. Possibility of hazardous reactions**

Contact with acids liberates very toxic gas.

**10.4. Conditions to avoid**

In case of fire may be liberated: Gases/vapours, toxic  
Response: Oxidizing agents, strong.

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to the escape of irritating gases and vapours.

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**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

LD50- oral &gt; 2000 mg/kg (berechnet/calculated).

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7757-83-7	sodium sulfite				
	oral	LD50 mg/kg	3560	rat	

**Irritation and corrosivity**

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

May damage fertility. May damage the unborn child. (disodium tetraborate, anhydrous; boric acid, disodium salt)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

May damage fertility or the unborn child.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Specific effects in experiment on an animal**

LC 50 =&gt; 10-100 mg/l (Goldorfen-DIN38412T15 o. Zebrabarben-ISO 7346)

EC 50 &gt; 100 mg/l (O2-Konsumptionstest m.Ps.putida n OECD)

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
68439-50-9	Alkohol(C12/14)-ethoxylate 6EO					
	Acute fish toxicity	LC50	4,6 mg/l	96 h	Leuciscus idus (golden orfe)	OECD 203
	Acute crustacea toxicity	EC50	2,4 mg/l	48 h	Daphnia magna	OECD 202
	Acute bacteria toxicity	(2,9 mg/l)				

**12.2. Persistence and degradability**

not determined

**12.3. Bioaccumulative potential**

not determined

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**12.4. Mobility in soil**

No data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

List of proposed waste codes/waste designations in accordance with EWC

**Waste disposal number of waste from residues/unused products**

060399 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the MFSU of salts and their solutions and metallic oxides; wastes not otherwise specified

**Contaminated packaging**

Completely emptied packages can be recycled.

Not cleaning capable packaging are to be disposed like the substance.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.

**14.6. Special precautions for user**

Not a hazardous material with respect to these transportation regulations.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):  
disodium tetraborate, anhydrous; boric acid, disodium salt

Restrictions on use (REACH, annex XVII):

Entry 30: disodium tetraborate, anhydrous; boric acid, disodium salt

**National regulatory information**

Water contaminating class (D): 3 - highly water contaminating

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Changes**

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This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,7,8,9,10,11,12,13,14,16.

Rev.Nr. 1.01 Geänderte EG-Einstufung für Dinatriumtetraborat

Rev.Nr. 1.02 Gefahrbestimmende Komponenten neu: Dinatriumtetraborat, wasserfrei; Borsäure, Dinatriumsalz

**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Eye Dam. 1; H318	
Repr. 1B; H360FD	Calculation method

**Relevant H and EUH statements (number and full text)**

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H360FD	May damage fertility. May damage the unborn child.
EUH031	Contact with acids liberates toxic gas.

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*