

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.05.2013


Version number 2

Revision: 19.11.2012


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

- **1.1 Product identifier**
- **Trade name:** DETERGENT ULTRASON
- **Article number:** 161025
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the preparation** Special detergent ultrasound machine
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** F1 DISTRIBUTION  
PARC D'ACTIVITE DE LA CREULE  
F-59190 HAZEBROUCK  
  
Tél : 00 333 28 50 95 95  
Fax : 00 333 28 50 10 01  
Courriel : securite@tec-industries.com
- **1.4 Emergency telephone number:** ORFILA (INRS) : +33 (0)1 45 42 59 59

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 C; Corrosive  
 R35: Causes severe burns.
- **Information concerning particular hazards for human and environment:** The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:** The classification is according to the latest editions of the EU-lists.

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- **2.2 Label elements**
- **Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals.
- **Code letter and hazard designation of product:**
 C Corrosive
- **Risk phrases:** 35 Causes severe burns.
- **Safety phrases:**
  - 20 When using do not eat or drink.
  - 23 Do not breathe gas/fumes/vapour/spray.
  - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
  - 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
  - 60 This material and its container must be disposed of as hazardous waste.
- **Special labelling of certain preparations:** Restricted to professional users.

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture: consisting of the following components.

- **Dangerous components:**

CAS: 7320-34-5 EINECS: 230-785-7 Reg.nr.: 01-2119489369-18	tetrapotassium pyrophosphate ☒ Xi R36 ☠ Eye Irrit. 2, H319	2.5-10%
CAS: 111798-26-6 Polymer Reg.nr.: Polymer	Poly(oxy-1,2-ethanediyl), α-(2-ethylhexyl)-ω-hydroxy-, phosphate, sodium salt ☒ Xi R36/38 ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-10%
CAS: 6834-92-0 EINECS: 229-912-9 Reg.nr.: 01-2119449811-37	disodium metasilicate ☒ C R34; ☒ Xi R37 ☠ Skin Corr. 1B, H314; ☠ STOT SE 3, H335	2.5-10%
CAS: 64-02-8 EINECS: 200-573-9 Reg.nr.: 01-2119486762-27	tetrasodium ethylenediaminetetraacetate ☒ Xn R20/22; ☒ Xi R41 ☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302	1-2.5%
CAS: 68155-09-9 EINECS: 268-938-5	Amides, coco, N-[3-(dimethylamino)propyl], N-oxides ☒ Xi R38-41; ☒ N R51/53 ☠ Eye Dam. 1, H318; ☠ Aquatic Chronic 2, H411; ☠ Skin Irrit. 2, H315	≤ 1%

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

anionic surfactants	5 - 15%
EDTA and salts thereof, non-ionic surfactants	< 5%

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Seek immediate medical advice.  
Immediately remove any clothing soiled by the product.
- **After inhalation:** Not concerned  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Supply fresh air; consult doctor in case of complaints.  
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Wash with water and soap and rinse thoroughly.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** The product is not flammable.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** In case of fire close to the product :  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Send for recovery or disposal in suitable receptacles.  
Ensure adequate ventilation.  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Use only in well ventilated areas. Do not breathe vapors or spray mist.  
Avoid contact with skin, eyes and clothing.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Suitable material for receptacles: stainless steel, HDPE, HDPP.  
Unsuitable material for receptacle: aluminium - Light metals and their alloys.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:** Keep container tightly sealed.  
Store in cool, dry conditions.  
Protect from frost.  
In case of separate packaging, copy the label on each container.
- **7.3 Specific end use(s)** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before drinking, eating or smoking.  
 Avoid contact with the eyes and skin.  
 Wearing of Personal Protective Equipment (PPE) required for all persons with allergies.  
 Not necessary if room is well-ventilated.
- **Respiratory protection:**
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**

PVC gloves  
 Nitrile rubber, NBR  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**

The exact breakthrough time of the glove material has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Use protective suit.

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form:** Liquid
  - Colour:** Amber coloured
  - Odour:** Characteristic
- **pH-value at 20 °C:** 13.1

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· <b>Change in condition</b> <b>Boiling point/Boiling range:</b>	100 °C
· <b>Flash point:</b>	Not applicable.
· <b>Density at 25 °C:</b>	1.127 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Soluble.
· <b>9.2 Other information</b>	pH (5%) = 11,3

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
  - Reacts with acids.
  - Reacts with strong oxidizing agents.
- **10.4 Conditions to avoid**
  - Heat, flames and sparks.
  - Avoid the accumulation of electrostatic charges.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Caustic effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
  - The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  - Corrosive
  - Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability**
  - No further relevant information available.
- **12.3 Bioaccumulative potential**
  - No further relevant information available.
- **12.4 Mobility in soil**
  - No further relevant information available.
- **Additional ecological information:**
- **General notes:**
  - The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as 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

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be made available to them, at their direct request or at the request of a detergent manufacturer.


Do not allow product to reach ground water, water course or sewage system.

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Send to an approved waste facility.  
Do not allow product to reach sewage system or any water course.
- **Uncleaned packaging:**
- **Recommendation:** Send to an approved waste facility.  
Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>   | UN1760  |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul>  | 1760 CORROSIVE LIQUID, N.O.S.<br>CORROSIVE LIQUID, N.O.S. |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>  |   |
| <div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul> | 8 Corrosive substances.<br>8                              |
| <ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>   | III   |
| <ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>  | No  |
| <ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> </ul>  | Warning: Corrosive substances.                            |
| <ul style="list-style-type: none"> <li>· <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b></li> </ul>  | Not applicable.   |
| <ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> </ul>  |   |
| <ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Tunnel restriction code</b></li> </ul>  | 5L<br>E   |

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### SECTION 15: Regulatory information

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Shelf-life : 24 months from the date it was manufactured.

· **Relevant phrases**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
R20/22	Harmful by inhalation and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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