

## EDTA DISODIUM, EXTRA PURE

### SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

**Product Name:** EDTA DISODIUM, EXTRA PURE  
**Product Code:** 327  
**CAS#:** 6381-92-6  
**Chemical Formula:**  $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$   
**Molecular Formula:** 372.24

### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

**Composition:**  
**Name:** EDTA DISODIUM  
**Toxicological Data on Ingredients:**  
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### SECTION 3: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**  
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.  
**Other hazards** – none

### SECTION 4: FIRST AID MEASURES

**Description of first aid measures**  
General advice Consult a physician. Show this safety data sheet to the doctor in attendance.  
**If inhaled If breathed in:** Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
**In case of skin contact** Wash off with soap and plenty of water. Consult a physician.  
**In case of eye contact:** Flush eyes with water as a precaution.  
**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
**Most important symptoms and effects, both acute and delay:** No data available  
**Indication of any immediate medical attention and special treatment needed:** No data available

### SECTION 5: FIRE AND EXPLOSION DATA

**Suitable extinguishing media**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Special hazards arising from the substance or mixture**  
Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Sodium oxides  
**Advice for firefighters**  
Wear self contained breathing apparatus for firefighting if necessary

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.  
**Environmental precautions** Do not let product enter drains.



**Methods and materials for containment and cleaning up** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers.

## SECTION 7: HANDLING AND STORAGE

### Precautions:

Keep away from heat. Keep away from sources of ignition.

### Storage:

Store in cool, dry place in closed containers

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure controls

**Appropriate engineering controls** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Personal protective equipment

**Eye/face protection** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure** Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance Form</b>	: Free flowing powder
<b>Colour</b>	: White
<b>Odour</b>	: Not available
<b>Odour Threshold</b>	: Not available
<b>pH</b>	: 4.0 – 5.5
<b>Melting point/freezing point</b>	: Not available
<b>Initial boiling point and boiling range</b>	: Not available
<b>Flash point</b>	: Not available
<b>Evaporation rate</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available
<b>Upper/lower flammability or explosive limits</b>	: Not available
<b>Vapour pressure</b>	: Not available
<b>Vapour density</b>	: Not available
<b>Relative density</b>	: Not available
<b>Water solubility</b>	: Not available
<b>Partition coefficient</b>	: Not available
<b>Auto-ignition temperature</b>	: Not available

## SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** Stable under recommended storage conditions.

**Instability Temperature:** Not available.



**Conditions of Instability:** Excess heat.  
**Incompatibility with various substances:** Strong oxidizing agents  
**Special Remarks on Reactivity:** Not available.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD50 Oral - rat - > 2.000 mg/kg  
**Skin corrosion/irritation:** Not available.  
**Serious eye damage/eye irritation:** Not available.  
**Respiratory or skin sensitization:** Not available.  
**Carcinogenicity:** Not available.  
**Reproductive toxicity:** Not available.  
**Specific target organ toxicity - single exposure:** Not available.  
**Specific target organ toxicity - repeated exposure:** Not available.  
**Aspiration hazard:** Not available.

### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** Toxicity to fish LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h  
**Persistence and degradability:** Not available.  
**Bioaccumulative potential:** Not available.  
**Mobility in soil:** Not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods** Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.  
**Contaminated packaging** Dispose of as unused product.

### SECTION 14: TRANSPORT INFORMATION

<b>UN number:</b>		
<b>ADR/RID:</b>	<b>IMDG:</b>	<b>IATA:</b>
<b>UN proper shipping name</b>		
<b>ADR/RID:</b> Not dangerous goods		
<b>IMDG:</b> Not dangerous goods		
<b>IATA:</b> Not dangerous goods		
<b>Transport hazard class(es):</b>		
<b>ADR/RID:</b>	<b>IMDG:</b>	<b>IATA:</b>
<b>Packaging group:</b>		
<b>ADR/RID:</b>	<b>IMDG:</b>	<b>IATA:</b>
<b>Environmental hazards:</b>		
<b>ADR/RID:</b> No	<b>IMDG Marine pollutant:</b> No	<b>IATA:</b> No

### SECTION 15: OTHER REGULATORY INFORMATION

**Regulatory information** This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
**Chemical Safety Assessment:** Not available.

### SECTION 16: OTHER INFORMATION



**References: Full text of H AND R-Statements.**

Not Applicable

**Other Special Considerations:** Not available

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