**OXFORD LAB FINE CHEM LLP**
ISO 9001-2008 Certified Company

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Oxford
Range of
Laboratory Chemicals

# MATERIAL SAFETY DATA SHEET

## EDTA SOLUTION N/10

### MSDS CAS: -

## Section 1: Chemical Product and Company Identification

**Section 1: Chemical Product**

**Product Name: EDTA SOLUTION N/10**

**CAS#: Not available**

**Synonym:EDTA Volumetric solutions; ethylenediaminetetraacetic acid, Disodium salt solutions; EDTA Titrant, (Disodium) 0.0575 Molar Volumetric Solution; EDTA Titrant, 0.05 Molar (M/20) Volumetric Solution; EDTA Titrant, 0.01 Molar (M/100) Volumetric Solution; EDTA**

**Chemical Name: EDTA Solution N/10**

**Chemical Formula: Not available**

**Brand: OXFORD**

**Details Of The Supplier Of The Safety Data Sheet :**

**Company identification:**

**OXFORD LAB FINE CHEM LLP**
**Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,**
**Navghar, Vasai (East). Palghar - 401 210.**
**Mumbai, Maharashtra, INDIA.**
**Tel: 91-250-2390989**
**Tel/Fax: 91-250-2390032**

## Section 2: Composition and Information on Ingredients

**Composition:**

| Name | CAS # | % by Weight |
|---|---|---|
| EDTA Disodium Salt | - | 0.3 - 4% |
| Water | 7732-18-5 | 95 – 99.7% |

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# Section 3: Hazards Identification

**Emergency Overview**
**CAUTION! MAY CAUSE IRRITATION TO SKIN AND EYES.**

**SAF-T-DATA(tm) Ratings (Provided here for your convenience)**
**Health Rating: 1 - Slight**
**Flammability Rating: 1 - Slight**
**Reactivity Rating: 0 - None**
**Contact Rating: 1 - Slight**
**Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES**
**Storage Color Code: Green (General Storage)**

**Potential Health Effects**
**Inhalation:** **No adverse health effects via inhalation.**

**Ingestion:**
**Substance has low toxicity by ingestion. Large amounts may cause gastric upset due to osmotic imbalance through the sequestering of metal ions.**

**Skin Contact:** **May cause irritation with redness and pain.**

**Eye Contact:** **May cause irritation, redness and pain.**

**Chronic Exposure:** **No adverse health effects expected.**

**Aggravation of Pre-existing Conditions:** **No adverse health effects expected.**

# Section 4: First Aid Measures

**Inhalation:**
**Not expected to require first aid measures. Remove to fresh air. Get medical attention for any breathing difficulty.**

**Ingestion:**
**Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.**

**Skin Contact:**
**Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.**

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# Section 4: First Aid Measures (Continued)

**Eye Contact:**
**Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.**

# Section 5: Fire and Explosion Data

**Fire:**
**Not considered to be a fire hazard.**

**Explosion:**
**Not considered to be an explosion hazard.**

**Fire Extinguishing Media:**
**Use any means suitable for extinguishing surrounding fire.**

**Special Information:**
**In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.**

# Section 6: Accidental Release Measures

**Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!**

# Section 7: Handling and Storage

**Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Protect from freezing. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.**

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# Section 8: Exposure Controls/Personal Protection

**Airborne Exposure Limits:** **None established.**

**Ventilation System:**
**Not expected to require any special ventilation. In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.**

**Personal Respirators (NIOSH Approved):**
**For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.**
**WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.**

**Skin Protection:**
**Wear protective gloves and clean body-covering clothing.**

**Eye Protection:**
**Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.**

# Section 9: Physical and Chemical Properties

| | |
|---|---|
| **Appearance** | **: Clear, colorless liquid.** |
| **Odor** | **: Odorless.** |
| **Molecular Weight** | **: 336.24 g/mole.** |
| **Solubility** | **: Soluble in water.** |
| **Density** | **: 1.003 g/cm$^3$** |
| **pH** | **: No information found.** |
| **% Volatiles by volume @ 21C (70F):** | **> 95** |
| **Boiling Point** | **: ≈ 0 °C** |
| **Melting Point** | **: ≈ 100 °C** |
| **Vapor Density (Air=1)** | **: No information found.** |
| **Vapor Pressure (mm Hg)** | **: Essentially the same as water.** |
| **Evaporation Rate (BuAc=1)** | **: No information found.** |

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# Section 10: Stability and Reactivity Data

**Stability:** Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**
Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Copper, aluminum, and oxidizing agents.

**Conditions to Avoid:** Incompatibles.

# Section 11: Toxicological Information

For EDTA disodium salt: anhydrous - LD50 oral rat 2000 mg/kg, investigated as a mutagen and reproductive effector; hydrate - investigated as a mutagen.

----------\Cancer Lists\----------

| Ingredient | ---NTP Carcinogen--- Known | Anticipated | IARC Category |
|---|---|---|---|
| EDTA Disodium Salt (139-33-3) | No | No | None |
| Water (7732-18-5) | No | No | None |

# Section 12: Ecological Information

**Environmental Fate:** No information found.

**Environmental Toxicity:** 96 Hr LC50 bluegill: 159 mg/L (Static)

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# Section 13: Disposal Considerations

**Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options.State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.**

# Section 14: Transport Information

**Land transport (ADR-RID)**

**General information:** **Not regulated.**

**Sea transport (IMDG) [English only]**

**General information:** **Not regulated.**

**Air transport (ICAO-IATA) [English only]**

**General information:** **Not regulated.**

# Section 15: Other Regulatory Information

**----------\Chemical Inventory Status - Part 1\----------**

| Ingredient | TSCA | EC | Japan | Australia |
|---|---|---|---|---|
| EDTA Disodium Salt (139-33-3) | Yes | Yes | Yes | Yes |
| Water (7732-18-5) | Yes | Yes | Yes | Yes |

**----------\Chemical Inventory Status - Part 2\----------**

| | --Canada-- | | | |
|---|---|---|---|---|
| Ingredient | Korea | DSL | NDSL | Phil. |
| EDTA Disodium Salt (139-33-3) | Yes | Yes | No | Yes |
| Water (7732-18-5) | Yes | Yes | No | Yes |

# Section 15: Other Regulatory Information (Continued)

----------\Federal, State & International Regulations - Part 1\----------
------SARA 302-------SARA 313------

| Ingredient | RQ | TPQ | List | Chemical Catg. |
|---|---|---|---|---|
| EDTA Disodium Salt (139-33-3) | No | No | No | No |
| Water (7732-18-5) | No | No | No | No |

----------\Federal, State & International Regulations - Part 2\----------
-RCRA- -TSCA

| Ingredient | CERCLA | 261.33 | 8(d) |
|---|---|---|---|
| EDTA Disodium Salt (139-33-3) | No | No | No |
| Water (7732-18-5) | No | No | No |

**Chemical Weapons Convention:** No TSCA 12(b): No CDTA: No
**SARA 311/312:** Acute: Yes Chronic: No Fire: No Pressure: No
**Reactivity:** No (Mixture / Liquid)

# Section 16 - Additional Information

**References**: Not available.

**Other Special Considerations**: Not available.

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