EDTA, 0.01M (0.02N)
Safety Data Sheet

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

1.1. Product identifier
Product form : Mixture
Product name : EDTA, 0.01M (0.02N)
Product code : LC13850

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : For laboratory and manufacturing use only.

1.3. Details of the supplier of the safety data sheet
LabChem Inc
Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court
Zeeland, PA 16263 - USA
T 412-826-5230 - F 724-473-0647
info@labchem.com - www.labchem.com

1.4. Emergency telephone number
Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Not classified

2.2. Label elements
GHS-US labelling
No labelling applicable

2.3. Other hazards
Other hazards not contributing to the classification : None

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>(CAS No) 7732-18-5</td>
<td>99.63</td>
<td>Not classified</td>
</tr>
<tr>
<td>EDTA, Disodium, Dihydrate</td>
<td>(CAS No) 6381-92-6</td>
<td>0.37</td>
<td>Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Assist fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
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4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures
5.1. Extinguishing media
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Reactivity : None.

5.3. Advice for firefighters
Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Protective equipment : Safety glasses.
Emergency procedures : Evacuate unnecessary personnel.
6.1.2. For emergency responders
Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions : Keep container closed when not in use.
Incompatible products : None known.
Incompatible products : None known.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
8.2. Exposure controls
Appropriate engineering controls : Provide adequate general and local exhaust ventilation.
Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear protective gloves.
Eye protection : Chemical goggles or safety glasses.
EDTA, 0.01M (0.02N)

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Respiratory protection: None necessary.
Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid.</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless.</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1 g/ml</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>None.</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other Information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

None.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products


SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified.

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<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 oral rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDTA, 0.01M (0.02N)</td>
<td>54054 mg/kg</td>
</tr>
<tr>
<td>EDTA, Disodium, Dihydrate (6381-92-6)</td>
<td>2000 mg/kg</td>
</tr>
<tr>
<td>Water (7732-18-5)</td>
<td>≥ 90000 mg/kg</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation:** Not classified  
**Serious eye damage/irritation:** Not classified  
**Respiratory or skin sensitisation:** Not classified  
**Germ cell mutagenicity:** Not classified  
**Carcinogenicity:** Not classified  
**Reproductive toxicity:** Not classified  
**Specific target organ toxicity (single exposure):** Not classified

**Specific target organ toxicity (repeated exposure):** Not classified  
**Aspiration hazard:** Not classified  
**Potential Adverse human health effects and symptoms:** Based on available data, the classification criteria are not met.

#### SECTION 12: Ecological Information

**12.1 Toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fishes 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDTA, 0.01M (0.02N)</td>
<td>1351 g/l</td>
</tr>
<tr>
<td>EDTA, Disodium, Dihydrate (6381-92-6)</td>
<td>&gt;= 500 mg/l</td>
</tr>
</tbody>
</table>

**12.2 Persistence and degradability**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDTA, 0.01M (0.02N)</td>
<td>Not established</td>
</tr>
<tr>
<td>EDTA, Disodium, Dihydrate (6381-92-6)</td>
<td>Not established</td>
</tr>
<tr>
<td>Water (7732-18-5)</td>
<td>Not established</td>
</tr>
</tbody>
</table>

**12.3 Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDTA, 0.01M (0.02N)</td>
<td>Not established</td>
</tr>
<tr>
<td>EDTA, Disodium, Dihydrate (6381-92-6)</td>
<td>Not established</td>
</tr>
<tr>
<td>Water (7732-18-5)</td>
<td>Not established</td>
</tr>
</tbody>
</table>

**12.4 Mobility in soil**

No additional information available

**12.5 Other adverse effects**

Other information: Avoid release to the environment.

#### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

- **Waste disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations.  
- **Ecology - waste materials:** Avoid release to the environment.

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SECTION 14: Transport information
In accordance with DOT
No dangerous good in sense of transport regulations

Additional information
Other information : No supplementary information available.

ADR
Transport document description :

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations
EDTA, Disodium, Dihydrate (6381-92-6)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Water (7732-18-5)
Listing of the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations
CANADA
EDTA, 0.01M (0.02N)
WHMIS Classification : Uncontrolled product according to WHMIS classification criteria

EDTA, Disodium, Dihydrate (6381-92-6)
WHMIS Classification : Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Water (7732-18-5)
WHMIS Classification : Uncontrolled product according to WHMIS classification criteria

EU-Regulations
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC
Not classified

15.2.2. National regulations
No additional information available

15.3. US State regulations
No additional information available

SECTION 16: Other information
Other information : None.

Full text of H-phrases: see section 16:
Acute Tox 4 (Oral) Acute toxicity (oral), Category 4
Eye Irrit. 2A Serious eye damage/eye irritation. Category 2A

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<table>
<thead>
<tr>
<th>Skin Irrit. 2</th>
<th>Skin corrosion/irritation, Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3. Respiratory tract irritation</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

**NFPA health hazard**

0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

**NFPA fire hazard**

0 - Materials that will not burn.

**NFPA reactivity**

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

**HWS III Rating**

- **Health**: 0 Minimal Hazard - No significant risk to health
- **Flammability**: 0 Minimal Hazard
- **Physical**: 0 Minimal Hazard
- **Personal Protection**: A

**SDS US (GHS HazCom 2012)**

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