MATERIAL SAFETY DATA SHEET (MSDS)

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

1.1. Product identifier

Product form: Substance
CAS-No.: 6381-92-6
Product code: 03730

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

1.2.1. Relevant identified uses

Industrial/Professional use spec: Industrial
For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

LOBA CHEMIE PVT LTD.
107 Wode House Road, Jehangir Villa, Colaba
400005 Mumbai - INDIA
T +91 22 6663 6663 - F +91 22 6663 6699
info@lobachemie.com - www.lobachemie.com

1.4. Emergency telephone number

Emergency number: + 91 22 6663 6663 (9:00am - 6:00 pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Xn; R22
Full text of R-phrases: see section 16
ETHYLENE DIAMINE TETRA ACETIC ACID DISODIUM SALT
Safety Data Sheet

**Adverse physicochemical, human health and environmental effects**
No additional information available

2.2. **Label elements**
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
No labelling applicable

2.3. **Other hazards**
No additional information available

**SECTION 3: Composition/information on ingredients**

3.1. **Substances**

<table>
<thead>
<tr>
<th>Name</th>
<th>ETHYLENE DIAMINE TETRA ACETIC ACID DISODIUM SALT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.</td>
<td>6381-92-6</td>
</tr>
</tbody>
</table>

Full text of R- and H-statements: see section 16

3.2. **Mixtures**
Not applicable

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**

<table>
<thead>
<tr>
<th>First-aid measures after inhalation</th>
<th>Assure fresh air breathing. Allow the victim to rest.</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-aid measures after skin contact</td>
<td>Wash with plenty of water/.... Wash contaminated clothing before reuse.</td>
</tr>
<tr>
<td>First-aid measures after eye contact</td>
<td>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.</td>
</tr>
<tr>
<td>First-aid measures after ingestion</td>
<td>Rinse mouth. Do not induce vomiting. Get medical advice/attention.</td>
</tr>
</tbody>
</table>

4.2. **Most important symptoms and effects, both acute and delayed**
No additional information available

4.3. **Indication of any immediate medical attention and special treatment needed**
Treat symptomatically.

**SECTION 5: Firefighting measures**

5.1. **Extinguishing media**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable extinguishing media</td>
<td>Do not use a heavy water stream.</td>
</tr>
</tbody>
</table>

5.2. **Special hazards arising from the substance or mixture**
No additional information available

5.3. **Advice for firefighters**

<table>
<thead>
<tr>
<th>Protection during firefighting</th>
<th>Do not enter fire area without proper protective equipment, including respiratory protection.</th>
</tr>
</thead>
</table>

www.lobachemie.com 02/06/2016 2/8
## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

| Emergency procedures | Evacuate unnecessary personnel. |

#### 6.1.2. For emergency responders

| Protective equipment | Use personal protective equipment as required. |
| Emergency procedures | Ventilate area. |

### 6.2. Environmental precautions

Avoid release to the environment.

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

| Methods for cleaning up | Collect spillage. On land, sweep or shovel into suitable containers. |

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

| Precautions for safe handling | Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. |

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

| Storage conditions | Keep container tightly closed. |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

| Hand protection | Protective gloves |
| Eye protection | Chemical goggles or safety glasses |
| Skin and body protection | Wear suitable protective clothing |
| Respiratory protection | [In case of inadequate ventilation] wear respiratory protection. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| Physical state | Solid |
| Molecular mass | 372.24 g/mol |
| Colour | White crystalline. |
## Odour
- Odour: odourless.
- Odour threshold: No data available

## pH
- pH: 4 - 5 at 10 g/l at 23 °C

## Evaporation Rate
- Relative evaporation rate (butylacetate=1): No data available

## Physical Properties
- Melting point: 248 °C
- Freezing point: No data available
- Boiling point: No data available
- Flash point: > 100 °C
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): No data available
- Vapour pressure: No data available
- Relative vapour density at 20 °C: No data available
- Relative density: No data available
- Solubility: Water: 100 g/l at 20 °C
- Log Pow: No data available
- Viscosity, kinematic: No data available
- Viscosity, dynamic: No data available
- Explosive properties: No data available
- Oxidising properties: No data available
- Explosive limits: No data available

## Stability and Reactivity

### 9.2. Other information
No additional information available

### 10. Stability and reactivity

#### 10.1. Reactivity
No additional information available

#### 10.2. Chemical stability
Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions
No additional information available

#### 10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials
Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products
SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified
  pH: 4 - 5 at 10 g/l at 23 °C

Serious eye damage/irritation : Not classified
  pH: 4 - 5 at 10 g/l at 23 °C

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available
SECTION 13: Disposal considerations

13.1. Waste treatment methods
Product/Packaging disposal recommendations: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information
In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number
UN-No. (ADR): Not applicable
UN-No. (IMDG): Not applicable
UN-No. (IATA): Not applicable
UN-No. (ADN): Not applicable
UN-No. (RID): Not applicable

14.2. UN proper shipping name
Proper Shipping Name (ADR): Not applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable
Proper Shipping Name (ADN): Not applicable
Proper Shipping Name (RID): Not applicable

14.3. Transport hazard class(es)
ADR
Transport hazard class(es) (ADR): Not applicable

IMDG
Transport hazard class(es) (IMDG): Not applicable

IATA
Transport hazard class(es) (IATA): Not applicable

ADN
Transport hazard class(es) (ADN): Not applicable

RID
Transport hazard class(es) (RID): Not applicable

14.4. Packing group
Packing group (ADR): Not applicable
Packing group (IMDG): Not applicable
Packing group (IATA): Not applicable
Packing group (ADN): Not applicable
Packing group (RID): Not applicable

14.5. Environmental hazards
Dangerous for the environment: No
Marine pollutant: No
Other information: No supplementary information available
14.6. Special precautions for user

- Overland transport
  No data available

- Transport by sea
  No data available

- Air transport
  No data available

- Inland waterway transport
  No data available

- Rail transport
  No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
ETHYLENE DIAMINE TETRA ACETIC ACID DISODIUM SALT is not on the REACH Candidate List
ETHYLENE DIAMINE TETRA ACETIC ACID DISODIUM SALT is not on the REACH Annex XIV List

15.1.2. National regulations

**Germany**

Reference to AwSV : Water hazard class (WGK) 2, significant hazard to water (Classification according to AwSV; ID No. 104)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**

SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

**Denmark**

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-statements:

<table>
<thead>
<tr>
<th>R22</th>
<th>Harmful if swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xn</td>
<td>Harmful</td>
</tr>
</tbody>
</table>

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.