**DI-SODIUM TETRABORATE DECAHYDRATE (BORAX) GMP MANUFACTURED MSDS**

**CAS-No.: 1303-96-4 MSDS**

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**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.**: 1303-96-4
- **Product code**: G0110
- **Chemical structure**: ![Chemical structure diagram]
- **Synonyms**: Borax decahydrate

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

##### 1.2.1. Relevant identified uses
- **Industrial/Professional use specification**: 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]**
- Reproductive toxicity, **H360FD**
- Category 1B

**Full text of H statements**: see section 16

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**
- Not classified
Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

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

Hazard pictograms (CLP): GHS08

Signal word (CLP): Danger

Hazard statements (CLP): H360FD - May damage fertility. May damage the unborn child.

Precautionary statements (CLP): P201 - Obtain special instructions before use.
P308+P313 - IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>di-SODIUM TETRABORATE DECAHYDRATE (BORAX) GMP Mamufactured substance listed as REACH Candidate (Disodium tetraborate, anhydrous)</td>
<td>(CAS-No.) 1303-96-4</td>
<td>100</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

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Wash skin with plenty of water.
First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion: Rinse mouth out with water. If you feel unwell, seek medical advice.
### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: May damage fertility. May damage the unborn child.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

Unsuitable extinguishing media: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available.

#### 5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures: Avoid contact with skin, eyes and clothing.

##### 6.1.2. For emergency responders

Protective equipment: Use personal protective equipment as required.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up: Clean contaminated surfaces with an excess of water.

#### 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.

Hygiene measures: Wash contaminated clothing before reuse.

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

Storage conditions: Store in a well-ventilated place. Keep cool.

#### 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**: Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Physical state**: Solid
- **Molecular mass**: 381.37 g/mol
- **Colour**: white.
- **Odour**: odourless.
- **Odour threshold**: No data available
- **pH**: 9.2 at 10 g/l
- **Relative evaporation rate (butylacetate=1)**: No data available
- **Melting point**: 62 °C
- **Freezing point**: No data available
- **Boiling point**: No data available
- **Flash point**: No data available
- **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
- **Density**: 1.73 g/cm³
- **Solubility**: Water: Soluble
- **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

9.2. Other information

No additional information available
## SECTION 10: Stability and reactivity

<table>
<thead>
<tr>
<th>10.1. Reactivity</th>
<th>No additional information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.2. Chemical stability</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>10.3. Possibility of hazardous reactions</td>
<td>No additional information available</td>
</tr>
<tr>
<td>10.4. Conditions to avoid</td>
<td>Air contact. Direct sunlight. Moisture.</td>
</tr>
<tr>
<td>10.5. Incompatible materials</td>
<td>No additional information available</td>
</tr>
<tr>
<td>10.6. Hazardous decomposition products</td>
<td>No additional information available</td>
</tr>
</tbody>
</table>

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity**: Not classified

**Skin corrosion/irritation**: Not classified
  - pH: 9.2 at 10 g/l

**Serious eye damage/irritation**: Not classified
  - pH: 9.2 at 10 g/l

**Respiratory or skin sensitisation**: Not classified

**Germ cell mutagenicity**: Not classified

**Carcinogenicity**: Not classified

**Reproductive toxicity**: May damage fertility. May damage the unborn child.

**STOT-single exposure**: Not classified

**STOT-repeated exposure**: Not classified

**Aspiration hazard**: Not classified
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

<table>
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12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
No additional information available

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 |
di-SODIUM TETRABORATE DECAHYDRATE (BORAX) GMP
Manufactured
Safety Data Sheet

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
  Not applicable
- Transport by sea
  Not applicable
- Air transport
  Not applicable
- Inland waterway transport
  Not applicable
- Rail transport
  Not applicable

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
Disodium tetraborate, anhydrous is on the REACH Candidate List
di-SODIUM TETRABORATE DECAHYDRATE (BORAX) GMP Manufactured is not on the REACH Annex XIV List

15.1.2. National regulations
di-SODIUM TETRABORATE DECAHYDRATE (BORAX) GMP Manufactured
Safety Data Sheet

Germany
Reference to AwSV: Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV; ID No. 37)
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: di-SODIUM TETRABORATE DECAHYDRATE (BORAX) GMP Manufactured is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: di-SODIUM TETRABORATE DECAHYDRATE (BORAX) GMP Manufactured is listed

Denmark
Recommendations Danish Regulation: Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-statements:
<table>
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<tr>
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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.