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## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name : SODIUM CITRATE SOLUTION 3.8% w/v  
Product code : 05829

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

Use : Industrial. For professional use only.

### 1.3. Details of the supplier of the safety data sheet

Company identification : LOBA CHEMIE PVT.LTD.  
107 Wode House Road, Jehangir Villa, Colaba  
400005 Mumbai INDIA  
Contact: +91 22 6663 6663 / Fax +91 22 6663 6699 / info@lobachemie.com  
Safety Officer: + 91 98213 31336 / + 91 98214 86040 / safety@lobachemie.com

### 1.4. Emergency telephone number

Phone nr : + 91 22 6663 6663 (9:00am - 6:00 pm) [ Office hours ]

## 2. Hazards identification -DSD

### 2.1. Classification of the substance or mixture

#### Classification EC 67/548 or EC 1999/45

Not classified.

#### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Not classified.

### 2.2. Label elements


#### Labelling EC 67/548 or EC 1999/45

Not classified.

Symbol(s) : None.  
R Phrase(s) : None.  
S Phrase(s) : None.  
Contains : Water - SODIUM CITRATE SOLUTION 3.8% W/W

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## 2. Hazards identification -DSD (continued)

### Labelling Regulation EC 1272/2008 (CLP)

Not classified.

**Contains** : Water - SODIUM CITRATE SOLUTION 3.8% W/V

### 2.3. Other hazards

**Other hazards** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## 3. Composition/information on ingredients

**Substance / Preparation** : Preparation.  
**Hazardous component(s)** : This product is not hazardous.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
SODIUM CITRATE SOLUTION 3.8% W/V	> 1 < 5 %		----	----	----	Not classified (DSD/DPD) Not classified (GHS)
Water	> 75 < 99 %	7732-18-5	231-791-2	----	----	Not classified (DSD/DPD) Not classified (GHS)

## 4. First aid measures

### 4.1. Description of first aid measures

**Inhalation** : Assure fresh air breathing. Allow the victim to rest.  
**Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
**Ingestion** : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

### 4.2. Most important symptoms and effects, both acute and delayed


**Symptoms relating to use** : 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

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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## 5. Fire-fighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
**Unsuitable extinguishing media** : Do not use a heavy water stream.  
**Surrounding fires** : Use water spray or fog for cooling exposed containers.

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

- Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

### 5.3. Advice for fire-fighters

- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.  
**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## 6. Accidental release measures

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

- For emergency responders** : Equip cleanup crew with proper protection.  
Ventilate area.  
**For non-emergency personnel** : Evacuate unnecessary personnel.

### 6.2. Environmental precautions

- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

- Clean up methods** : 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 section 8. Exposure controls/personal protection

## 7. Handling and storage

### 7.1. Precautions for safe handling

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## 7. Handling and storage (continued)

**Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

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

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

**Specific end use(s)** : None.

## 8. Exposure controls/personal protection

### 8.1. Exposure controls

**Personal protection** : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **Hand protection** : Wear protective gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

### 8.2. Control parameters

**Occupational Exposure Limits** : No data available.

## 9. Physical and chemical properties

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

**Physical state at 20 °C** : Liquid.

**Colour** : Colorless

**Odour** : Characteristic.

**Odour threshold** : No data available.

**pH value** : No data available.

**Melting point [°C]** : No data available.


**Decomposition point [°C]** : N/A

**Critical temperature [°C]** : No data available.

**Auto-ignition temperature [°C]** : No data available.

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### 9. Physical and chemical properties (continued)

Flammability (solid, gas)	: N/A
Flash point [°C]	: No data available.
Boiling point [°C]	: N/A
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.
Evaporation rate	: N/A
Vapour pressure [20°C]	: No data available.
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm <sup>3</sup> ]	: N/A
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: N/A
Solubility in water	: No data available.
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm <sup>2</sup> /s]	: No data available.

#### 9.2. Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: No data available.
Explosion limits - lower [%]	: No data available.
Oxidising properties	: No data available.

### 10. Stability and reactivity

#### 10.1. Reactivity

Reactivity	: Not established.
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#### 10.2. Chemical stability

Chemical stability	: Stable under recommended storage conditions.
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#### 10.3. Possibility of hazardous reactions

Hazardous reactions	: Not established.
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#### 10.4. Conditions to avoid

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## 10. Stability and reactivity (continued)

**Conditions to avoid** : Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

**Materials to avoid** : Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.

## 11. Toxicological information

### 11.1. Information on toxicological effects

**Toxicity information** : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

#### **Acute toxicity**

- **Inhalation** : Based on available data, the classification criteria are not met.
- **Dermal** : Based on available data, the classification criteria are not met.
- **Ingestion** : Based on available data, the classification criteria are not met.

**Corrosion** : Based on available data, the classification criteria are not met.

**Irritation** : Based on available data, the classification criteria are not met.

**Sensitization** : Based on available data, the classification criteria are not met.

**Mutagenicity** : Based on available data, the classification criteria are not met.

**Carcinogenicity** : Based on available data, the classification criteria are not met.

**Toxic for reproduction** : Based on available data, the classification criteria are not met.

**STOT-single exposure** : Based on available data, the classification criteria are not met.

**STOT-repeated exposure** : Based on available data, the classification criteria are not met.

**Aspiration hazard** : Based on available data, the classification criteria are not met.

## 12. Ecological information

### 12.1. Toxicity

**Toxicity information** : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.


### 12.2. Persistence - degradability

**Persistence - degradability** : Biodegradable.

### 12.3. Bioaccumulative potential

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## 12. Ecological information (continued)

**Bioaccumulative potential** : Not established.

### 12.4. Mobility in soil

**Mobility in soil** : Not established.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### 12.6. Other adverse effects

**Environmental precautions** : Avoid release to the environment.

## 13. Disposal considerations

### 13.1. Waste treatment methods

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## 14. Transport information

### 14.1. Land transport (ADR-RID)

**General information** : Not regulated.

### 14.2. Sea transport (IMDG) [English only]

**General information** : Not regulated.

### 14.3. Air transport (ICAO-IATA) [English only]

**General information** : Not regulated.


## 15. Regulatory information

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

**Safety, health and environmental regulations/legislation specific for the substance or mixture** : Ensure all national/local regulations are observed.

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#### 15. Regulatory information (continued)

**REACH Restrictions - Annex XVII** : The components of this product are not subject to restrictions.  
**REACH Authorisation - Annex XIV** : The components of this product are not subject to authorization.

#### 15.2. Chemical Safety Assessment

**Chemical Safety Assessment** : It has not been carried out.

#### 16. Other information

**Revision** : Revision - See : \*

**Abbreviations and acronyms** : PBT: persistent, bioaccumulative and toxic.  
vPvB: very persistent and very bioaccumulative

**Sources of key data used** : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information** : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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