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

### 1.1. Product identifier

Trade name : THYMOLPHTHALEIN INDICATOR SOLUTION  
Product code : 6309B

### 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

Classification : C; R35

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

Health hazards : Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314

### 2.2. Label elements

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

Symbol(s)




Symbol(s)

: C : Corrosive

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## 2. Hazards identification -DSD (continued)

**R Phrase(s)** : R35 : Causes severe burns.  
**S Phrase(s)** : S24 : Avoid contact with skin.  
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S28 : After contact with skin, wash immediately with  
 S35 : This material and its container must be disposed of in a safe way.  
 S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.  
 S45 : In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible).  
 S59 : Refer to manufacturer/supplier for information on recovery/recycling.  
**Contains** : Ethanol - Water - THYMOLPHTHALEIN INDICATOR SOLUTION

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

#### Hazard pictograms



**Signal words** : Danger  
**Hazard statements** : H314 : Causes severe skin burns and eye damage.  
**Precautionary statements**  
 • **Prevention** : P280: Wear protective gloves, protective clothing, eye protection, face protection.  
 P260: Do not breathe dust, fume, gas, mist, vapours, spray.  
 P264: Wash thoroughly after handling.  
 • **Response** : P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.  
 P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.  
 P363: Wash contaminated clothing before reuse.  
 • **Storage** : P405: Store locked up.  
 • **Disposal considerations** : P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
**Contains** : Ethanol - Water - THYMOLPHTHALEIN INDICATOR SOLUTION


### 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.

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### 3. Composition/information on ingredients

Substance / Preparation : Preparation.  
Hazardous component(s) : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
THYMOLPHTHALEIN INDICATOR : SOLUTION	< 0.1 %		----	----	---	Not classified (DSD/DPD) Not defined (GHS)
Ethanol	> 50 < 75 %	64-17-5	200-578-6	603-002-00-5	---	R10 C, R35 Skin Corr. 1A _ H314 Flam. Liq. 3 _ H226
Water	> 50 < 75 %	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** : Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

**Skin contact** : Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor.

**Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**Ingestion** : Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

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

Symptoms relating to use : Causes severe skin burns and eye damage.

#### 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).

### 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

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#### 5. Fire-fighting measures (continued)

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.  
Thermal decomposition generates : Corrosive vapours.

##### 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

**Handling** : Do not breathe dust, fume, gas, mist, vapours, spray. Avoid contact during pregnancy or while nursing. Wash thoroughly after handling.

**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.

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## 7. Handling and storage (continued)

Storage regulation : Comply with applicable regulations.  
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



Personal protection : Avoid all unnecessary exposure.  
• Respiratory protection : Wear approved mask.  
• Hand protection : Wear protective gloves.  
• Skin protection : Wear suitable protective clothing.  
• Eye protection : Chemical goggles or face shield.  
• 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.  
Flammability (solid, gas) : Flammable.

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

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> ]	: 0,79
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Complete.
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**

Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
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## 10. Stability and reactivity (continued)

### 10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.  
 Thermal decomposition generates : Corrosive vapours.

## 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** : Causes severe skin burns and eye damage.

**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.  
Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**14. Transport information**

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

Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
UN N° : 1993  
H.I. nr : 30  
ADR - Class : 3  
Labelling - Transport : 3 : Flammable liquid.




ADR - Classification code : F1  
ADR - Group : III  
ADR - Packing instructions : P001 R001 LP001  
ADR - Limited Quantity : 5 L

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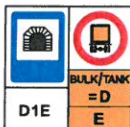
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#### 14. Transport information (continued)

ADR - Tunnel code : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.



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

Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
 UN N° : 1993  
 IMO-IMDG - Class or division : 3 : Flammable liquid.  
 IMO-IMDG - Packing group : III  
 IMO-IMDG - Packing instructions : P001 LP01  
 IMO-IMDG - Limited quantities : 5 L  
 IMO-IMDG - Marine pollution : Yes  
 EMS-Nr : F-E S-E

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

Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
 UN N° : 1993  
 IATA - Class or division : 3 : Flammable liquid.  
 IATA - Packing group : III  
 IATA - Passenger and Cargo Aircraft : ALLOWED  
 - Passenger and Cargo - Packing instruction : 355  
 - Passenger and Cargo - Maximum Quantity/Packing : 60 L  
 IATA - Cargo only : ALLOWED  
 - Cargo only - Packing instruction : 366  
 - Cargo only - Maximum Quantity/Packing : 220 L  
 IATA - Limited Quantities : 10 L  
 ERG-Nr : 3L


#### 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

List of relevant R phrases (heading 3) : R10 : Flammable.  
R35 : Causes severe burns.

List of full text of H-statements in section 3 : H226 : Flammable liquid and vapour.  
H314 : Causes severe skin burns and eye damage.

Further information : None.

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

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