

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

**MATERIAL SAFETY DATA SHEET (MSDS)****LACTIC ACID LR****1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : LACTIC ACID LR

Product code : SS0117600500

Identification of the product : Lactic acid  
CAS No: 79-33-4

**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 SUVCHEM  
Chaitanya Tower, 2nd Floor, Office # 206,  
Siddharth Nagar, S.V. Road,  
Goregaon (West), Mumbai - 400062,  
Maharashtra, India.  
Contact: +91 22 28725393 / 94 / 95  
Email ID: info@suvchem.com/care@suvchem.com

**1.4. Emergency telephone number**

Phone no. : + 91 22 28725393 / 94 / 95 (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 : Xi; R38-41

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

Health hazards : Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1) H318  
Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314  
Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315

**2.2. Label elements****Labelling EC 67/548 or EC 1999/45**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**LACTIC ACID LR**
**2. Hazards identification -DSD (continued)**

Symbol(s)



Symbol(s)

: C : Corrosive

R Phrase(s)

: R38 : Irritating to skin.

R41 : Risk of serious damage to eyes.

S Phrase(s)

: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/39 : Wear suitable protective clothing and eye/face protection.

Contains

: Lactic acid

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

Hazard pictograms



Signal words

: Danger

Hazard statements

: H314 : Causes severe skin burns and eye damage.

H315 : Causes skin irritation.

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**

: P302+P352: IF ON SKIN : Wash with plenty of soap and water.

P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.

P332+P313: If skin irritation occurs : Get medical advice.

P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

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

: Lactic acid

**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.

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

## MATERIAL SAFETY DATA SHEET (MSDS)

### LACTIC ACID LR

#### 3. Composition/information on ingredients

Substance / Preparation : Lactic acid

Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Lactic acid	100 %	50-21-5	----	----	----	Xi; R38-41 Eye Dam 1 _ H318 Skin Irrit. 2 _ H315

Contains no other components or impurities which will influence the classification of the product.

#### 4. First aid measures

##### 4.1. Description of first aid measures

**Inhalation** : Assure fresh air breathing. Allow the victim to rest. Immediately call a POISON CENTER or doctor. Remove to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact** : Wash contaminated clothing before reuse. If skin irritation occurs : Get medical advice. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

**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** : Obtain emergency medical attention. Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth.

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

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

##### 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

**MATERIAL SAFETY DATA SHEET (MSDS)**
**LACTIC ACID LR**
**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. Wash thoroughly after handling. Wash contaminated clothing before reuse. 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.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**LACTIC ACID LR**
**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 : 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 : Clear Colorless  
 Odour : Slight acid odor  
 Odour threshold : No data available.  
 pH value : No data available.  
 Melting point [°C] : 17 °C  
 Decomposition point [°C] : N/A  
 Critical temperature [°C] : N/A  
 Auto-ignition temperature [°C] : N/A  
 Flammability (solid, gas) : N/A  
 Flash point [°C] : 113 °C  
 Boiling point [°C] : 122 °C  
 Initial boiling point [°C] : N/A  
 Final boiling point [°C] : N/A

**MATERIAL SAFETY DATA SHEET (MSDS)**
**LACTIC ACID LR**
**9. Physical and chemical properties (continued)**

Evaporation rate	: N/A
Vapour pressure [20°C]	: 0 kPa (@ 20°C)
Vapour pressure mm/Hg	: N/A
Vapour density	: >1
Density [g/cm <sup>3</sup> ]	: 1,209
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Soluble in water
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: Bases.
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

**9.2. Other information**

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

**10. Stability and reactivity**
**10.1. Reactivity**

Reactivity	: Not established.
------------	--------------------

**10.2. Chemical stability**

Chemical stability	: Stable under recommended storage conditions.
--------------------	--

**10.3. Possibility of hazardous reactions**

Hazardous reactions	: Not established.
---------------------	--------------------

**10.4. Conditions to avoid**

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**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**LACTIC ACID LR**
**10. Stability and reactivity (continued)**

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

**11. Toxicological information**
**11.1. Information on toxicological effects**
**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.  
 Causes serious eye damage.

**Irritation**

: Causes skin irritation.

**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** : Not established.

**12.2. Persistence - degradability**

**Persistence - degradability** : Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

**12.4. Mobility in soil**

**Mobility in soil** : Not established.

**12.5. Results of PBT and vPvB assessment**



**MATERIAL SAFETY DATA SHEET (MSDS)**
**LACTIC ACID LR**
**12. Ecological information (continued)**

**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)**

**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.

**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**



**MATERIAL SAFETY DATA SHEET (MSDS)**

**LACTIC ACID LR**

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

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**