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## MATERIAL SAFETY DATA SHEET (MSDS)

### LACTIC ACID AR

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

##### 1.1. Product identifier

Trade name : LACTIC ACID AR

Product code : SS0117700500

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

##### 2.2. Label elements

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

Symbol(s)



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#### 2. Hazards identification -DSD (continued)

**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** : H318 : Causes serious eye damage.  
 H315 : Causes skin irritation.  
**Precautionary statements**  
 • **Prevention** : P280: Wear protective gloves, protective clothing, eye protection, face protection.  
 P264: Wash thoroughly after handling.  
 • **Response** : P302+P352: IF ON SKIN : Wash with plenty of soap and water.  
 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.  
 P363: Wash contaminated clothing before reuse.  
**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.

#### 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.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**LACTIC ACID AR**
**4. First aid measures**
**4.1. Description of first aid measures**

Inhalation	: Assure fresh air breathing. Allow the victim to rest.
Skin contact	: Specific treatment (see on this label). Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation occurs : Get medical advice.
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. Do NOT induce vomiting. Rinse mouth.

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

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

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**LACTIC ACID AR**
**6. Accidental release measures (continued)**

**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. Store away from other materials. Collect spillage.

**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

**Handling** : Wash thoroughly after handling. 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.

**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.

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**8. Exposure controls/personal protection (continued)**

- 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	: Clear Colorless
Odour	: Slight acrid 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
Evaporation rate	: N/A
Vapour pressure [20°C]	: 0 kPa (@ 20°C)
Vapour pressure mm/Hg	: N/A
Vapour density	: >1
Density [g/cm3]	: 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 [mm2/s]	: N/A

**9.2. Other information**

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

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.
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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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**10.5. Incompatible materials**

Materials to avoid	: Strong acids. Strong bases.
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**10.6. Hazardous decomposition products**

Hazardous decomposition products	: Fumes. Carbon monoxide. Carbon dioxide.
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**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 serious eye damage.
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Irritation	: Causes skin irritation.
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Sensitization	: Based on available data, the classification criteria are not met.
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**11. Toxicological information (continued)**

<b>Mutagenicity</b>	: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	: Based on available data, the classification criteria are not met.
<b>Toxic for reproduction</b>	: Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	: Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	: Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	: 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**

**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.



**MATERIAL SAFETY DATA SHEET (MSDS)**
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**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**

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) : R38 : Irritating to skin.  
R41 : Risk of serious damage to eyes.

 List of full text of H-statements in section 3 : H315 : Causes skin irritation.  
H318 : Causes serious eye damage.

Further information : None.



**MATERIAL SAFETY DATA SHEET (MSDS)**

**LACTIC ACID AR**

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

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