



# MATERIAL SAFETY DATA SHEET

ref ISO : 123456

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Revision nr : 1

Date : 12/3/2004

Supersedes : 0/0/0

## GALACID POWDER

**GALA-MSDS-04-11**

www.lisam.com



Irritant

### Producer

GALACTIC S.A.  
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Tel. : +32 69 45 49 21  
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## 1. Identification of the product and the company

Identification of the product : L(+) - lactic acid  
Company identification : See address above.  
Trade name : GALACID POWDER.  
Use : Food industry.

## 2. Information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS nr / EINECS nr / EC index	Symbol(s)	R-Phrase(s)
<u>lactic acid</u>	:	000079-33-4 / 201-196-2 / ----	Xi	37/38-41

## 3. Hazards identification

Risk Phrases : Irritating to eyes, respiratory system and skin.  
Primary route of exposure : Inhalation of dust.  
Symptoms relating to use  
- Inhalation : May cause irritation to the respiratory tract and to other mucous membranes.  
Cough. Shortness of breath.  
- Skin contact : Redness.  
- Eye contact : Pain. Redness. Tears.

## 4. First aid measures

- Inhalation : Assure fresh air breathing. Allow the victim to rest. If you feel unwell, seek medical advice.  
- Skin contact : After contact with skin, wash immediately with plenty of water.  
- Eye contact : In case of eye contact, immediately rinse with clean water for 20-30 minutes. Obtain medical attention if pain, blinking, tears or redness persist.  
- Ingestion : Rinse mouth. Seek medical advice (show the label where possible).

## 5. Fire - fighting measures

Flammable class : Not combustible.  
Extinguishing media : All extinguishing media can be used.  
Surrounding fires : Use water spray or fog for cooling exposed containers.  
Special exposure hazards : On exposure to high temperature, may decompose, releasing toxic gases. Carbon monoxide. Carbon dioxide.  
Protection against fire : Wear proper protective equipment.  
Special procedures : Exercise caution when fighting any chemical fire.



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### 6. Accidental release measures

- Personal precautions : Equip cleanup crew with proper protection. Respiratory protection equipment may be necessary.
- Environmental precautions : Prevent entry to sewers and public waters.
- After spillage and/or leakage : Sweep or shovel spills into appropriate container for disposal.

### 7. Handling and storage

- General : Use good housekeeping practices to avoid rendering dust airborne.
- Precautions in handling and storage : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.
- Storage : Store in dry, well-ventilated area.
- Handling : Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

### 8. Exposure controls / personal protection

- Personal protection
- Respiratory protection : Where excessive dust may result, wear approved mask.
  - Hand protection : Gloves.
  - Skin protection : In case of possible repeated skin contact wear protective clothing.
  - Eye protection : Goggles.
  - Ingestion : When using, do not eat, drink or smoke.

### 9. Physical and chemical properties

- Physical state : Powder.
- Colour : White.
- Odour : Characteristic.
- Taste : Acidic.
- pH value : 2.6 to 2.8 (1% solution)
- Decomposition point [°C] : > 200
- Solubility in water : Complete.
- Flash point [°C] : Not applicable.
- Explosion limits : Not established.

### 10. Stability and reactivity

- Hazardous reactions : Avoid contact with : Strong oxidizing agents.
- Hazardous decomposition products : On exposure to high temperature, may decompose, releasing toxic gases. Carbon monoxide. Carbon dioxide.

### 11. Toxicological information

- Acute toxicity
- Inhalation : Inhalation of mists or vapours at elevated temperatures may cause respiratory irritation.
  - Dermal : Initial moderate skin irritation.
  - Ocular : Risk of damage to eyes.
- Rat oral LD50 [mg/kg] : 3730
- Mouse oral LD50 [mg/kg] : 4875
- Rabbit dermal LD50 [mg/kg] : > 2000
- Carcinogenicity : No carcinogenic suspected agent.



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### 12. Ecological information

#### Ecological effects information

48 Hour-EC50 - Daphnia magna [mg/l]	: 240
IC50 72h Algae [mg/l]	: 3500
COD	: 0,90 mg O2/mg
BOD	: 0,45 mg O2/ mg
Biodegradation	: Complete.

### 13. Disposal considerations

Disposal	: Dispose in a safe manner in accordance with local/national regulations.
Waste-disposal procedures	: Comply with applicable regulations for solid waste disposal. Rinse with water. Assure effluent complies with applicable regulations.

### 14. Transport information

General information	: Not classified.
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### 15. Regulatory information

Symbol(s)	: Irritant.
R Phrase(s)	: R37/38 - Irritating to respiratory system and 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. S37/39 - Wear suitable gloves and eye/face protection.

### 16. Other information

Further information	: Specifications and technical informations on the product may be obtained by your distributor or GALCTIC's Commercial Department.
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