



MATERIAL SAFETY DATA SHEET

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Revision nr : 10

Date : 16/12/2008

Supersedes : 28/11/2008

GALACID

GALA-MSDS-03-01

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Irritant

1. Identification of the product and the company

Company identification : GALACTIC S.A. B&G
Place d'Escanaffles,23 73 Daqing road, Bengbu
7760 Escanaffles - Belgium 233010 Anhui Province, China
Tel.: +32 69 45 49 21 Tel.: +86 552 208 12 88
Fax : +32 69 45 49 26 Fax: +86 552 208 12 99

GALACTIC Inc.
P.O. BOX 090424
2700 W. Silver Spring Drive
Milwaukee, WI 53209 - USA
Tel: +1 414 462 19 90
Fax: +1 414 462 20 70

Trade name : GALACID , all grades
Chemical family : L(+) - lactic acid , Liquid
Use : Food industry
Pharmaceutical industry
Cosmetic industry

*Distributed by:
Westco Chemicals, Inc.
12551 Saticoy St. South
North Hollywood, CA 91605
T: 1(818)255-3655 F: 1(818)255-3650*

2. Hazards identification

Main hazards
- Inhalation : Inhalation of vapors may cause respiratory irritation.
- Skin contact : May cause moderate irritation, including burning sensation, tearing, redness or swelling.
- Eye contact : Risk of damage to eyes.

3. Information on ingredients

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

Composition

Substance name	Value(s)	CAS nr / EINECS nr / EC index	Symbol(s)	R-Phrase(s)
<u>Lactic acid</u>	: 20 to 90 %	79-33-4 / 201-196-2 / -----	Xi	37/38-41

4. First aid measures

First aid
- Inhalation : Remove victim to fresh air.
- Skin contact : Remove contaminated clothing and shoes.
Wash skin thoroughly with mild soap and water.
- Eye contact : Rinse immediately with plenty of water
Continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often.
Seek medical attention if irritation develops.
- Ingestion : Call a physician immediately.
Do not induce vomiting.
Give water to drink.



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5. Fire - fighting measures

- Extinguishing media : All extinguishing media can be used.
- Not to be used : None.
- Surrounding fires : Use water spray or fog for cooling exposed containers.
- Special exposure hazards : When heated, material emits highly irritating vapors, affecting the eyes.
- Protection against fire : Wear recommended personal protective equipment.
- Special procedures : Exercise caution when fighting any chemical fire.

6. Accidental release measures

- Personal precautions : Equip cleanup crew with proper protection.
- Environmental precautions : Prevent entry to sewers and public waters.
- After spillage and/or leakage : Use suitable disposal containers.
Small spills may be neutralized with lime water slurry or soda ash and flushed with large amounts of cold water. Clean up any spills as soon as possible, using an absorbent material to collect it.

7. Handling and storage

- General : Avoid all unnecessary exposure.
- Storage : Provide local exhaust or general room ventilation to minimize vapor concentrations. Store in glass, stainless steel, plastic or epoxy lined receptacles.
- Handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Ensure prompt removal from eyes, skin and clothing.
Handle in accordance with good industrial hygiene and safety procedures.

8. Exposure controls / personal protection

Personal protection



- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- Skin protection : Wear recommended personal protective equipment.
- Eye protection : Chemical goggles or safety glasses.
- Industrial hygiene : Wash clothing before re-using.
Remove contaminated clothing and shoes.
Provide good ventilation in process area to prevent formation of vapor.

9. Physical and chemical properties

- Physical state : Liquid
- Color : Colorless to slight yellow.
- Odor : Nearly odorless
- Taste : Mild acid
- Decomposition point [°C] : > 200
- Viscosity at 25°C [mPa.s] : 5 - 60
- Solubility in water (@25°C) : Complete
- Flash point [°C] : Not applicable
- Explosion limits : Not applicable



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10. Stability and reactivity

Hazardous properties	: None under normal conditions.
Hazardous decomposition products	: When heated to decomposition, emits dangerous fumes.
Materials to avoid	: Oxidizing agent.
Conditions to avoid	: Maintain temperature below 200°C

11. Toxicological information

Acute toxicity	
- Inhalation	: Inhalation of mists or vapors at elevated temperatures may cause respiratory irritation.
- Dermal	: Initial moderate skin irritation.
- Ocular	: Risk of serious damage to eyes.
Mouse oral LD50 [mg/kg]	: 4875
Other	: No carcinogenic suspected agent.

12. Ecological information

Ecological effects information	
COD	: 0.90 mg O ₂ / mg
BOD	: 0.45 mg O ₂ / mg
Persistence and degradability	: Product is biodegradable

13. Disposal considerations

Disposal	: Dispose in a safe manner in accordance with local/national regulations.
Waste-disposal procedures	: Empty containers should be thoroughly rinsed with large quantities of clean water. Neutralize collected waste before discharge.

14. Transport information

General information	: Not classified.
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15. Regulatory information

Symbol(s)	: Irritant.
R Phrase(s)	: R36/37/38 - Irritating to eyes, respiratory system and skin. R41 - Risk of serious damage to eyes.
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. S37/39 - Wear suitable gloves and eye/face protection.
Other	: EEC Food additive: E270

16. Other information

Further information	: Specifications and technical informations on the product may be obtained by your distributor or GALACTIC's Commercial Department.
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The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC.



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