

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 20.11.2009

Version: 1

Revision: 20.11.2009

1 Identification of substance

- Product details

- Trade name **Galacid Food 80**
Lactic Acid 80% food

- Article number: 297054

- Application of the substance / the preparation

Food industry
Pharmaceutical industry
Cosmetic industry

- Manufacturer/Supplier:

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- Informing department:

HSE Department
SDS@IMCDGroup.com

- Emergency information:

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Russia: RTIAC: (495) 928-16-87
Sweden: KEMIAKUTEN 020-99 60 00 (only in Sweden) +46-8-33 70 43 (from abroad)

2 Hazards identification

- Hazard designation:



Xi Irritant

- Information pertaining to particular dangers for man and environment

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 37/38 Irritating to respiratory system and skin.

R 41 Risk of serious damage to eyes.

3 Composition/information on ingredients

- Chemical characterization:

- Additional information: E-number: 270

- Chemical characterization

- Description: Food Additive

- Dangerous components:

CAS: 79-33-4	Lactic acid	 Xi; R 37/38-41	20 - 90%
EINECS: 201-196-2			

- Additional information For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- After inhalation Supply fresh air.

- After skin contact

Instantly remove any clothing soiled by the product.
Follow by washing with soap and water.

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- **After eye contact**
Rinse opened eye for several minutes under running water.
Keep eyelids well open to rinse the whole eye surface and eyelids with water.
Continue to rinse for 20-30 minutes
Get medical attention if irritation occurs.
- **After swallowing**
Call a doctor immediately.
Do not induce vomiting.
If conscious, give several small portions of water to drink.

5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Protective equipment:** Wear protective clothing.
- **Additional information** Cool endangered containers with water spray jet.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow product to reach sewage system or water bodies.
- **Measures for cleaning/collecting:**
Place in containers for proper disposal.
Absorb liquid components with liquid-binding material.

7 Handling and storage

- **Handling**
 - **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Do not breathe vapour.
- **Storage**
 - **Requirements to be met by storerooms and containers:**
Suitable material for containers and conduit: steel or stainless steel.
Plastic
Glass
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Components with critical values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
 - **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Work clothing should be changed daily and laundered before reuse
Do not eat, drink or smoke while working.
Wash hands during breaks and at the end of the work.
Avoid contact with the skin.
 - **Breathing equipment:** Not necessary if room is well-ventilated.

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- Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break-through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

Safety glasses

9 Physical and chemical properties:

- General Information

- | | |
|-----------|----------------------------|
| - Form: | Fluid |
| - Colour: | Colourless to pale yellow. |
| - Smell: | Characteristic |

- Change in condition

- | | |
|--------------------------------|----------------|
| - Melting point/Melting range: | Not determined |
| - Boiling point/Boiling range: | 110-125°C |

- Flash point:	Not applicable
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- Ignition temperature:	
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- Decomposition temperature:	> 200°C
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- Danger of explosion:	Product does not present an explosion hazard.
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- Density at 20°C	1.19-1.25
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- Solubility in / Miscibility with

- Water:	Fully miscible
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- pH-value at 25°C:	< 2
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- Viscosity:

- dynamic at 25°C:	5-60 mPas
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10 Stability and reactivity

- Conditions to be avoided:

Temperature above 200 °C.

No decomposition under normal storage and handling conditions.

Decomposes on heating. Heating can release hazardous gases.

- Materials to be avoided: Oxidizing agents

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- **Dangerous products of decomposition:** None

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11 Toxicological information

- **Acute toxicity:**- **LD/LC50 values that are relevant for classification:**

Oral	LD50	4875 mg/kg (mouse) 3730 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** Irritant for skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.

- **Additional toxicological information:**

Inhalation: This product may cause respiratory tract irritation.

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological information:

- **Information about elimination (persistence and degradability):**- **Other information:** The product is biodegradable.- **Ecotoxicological effects:**- **Aquatic toxicity:**- **Type of test Effective concentration Method Assessment**

EC50/48h	240 mg/l (Daphnia magna)
IC50/72h	3500 mg/l (Algae)

- **Additional ecological information:**

- **COD-value:** 0.9 mg O₂ / mg
- **BOD5-value:** 0.45 mg O₂ / mg

13 Disposal considerations

- **Product:**- **Recommendation**

Observe local/state/federal regulations.

Small quantities:

After neutralisation can be deposited.

- **Uncleaned packagings:**- **Recommendation:**

Disposal must be made according to official regulations.

Clean the container with a suitable solvent.

- **Recommended cleaning agent:** Water

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**- **ADR/RID-GGVS/E Class:** -- **Maritime transport IMDG/GGVSea:**- **IMDG/GGVSea Class:** -

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- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

15 Regulatory information

- Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

- Code letter and hazard designation of product:



Xi Irritant

- Risk phrases:

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

- Safety phrases:

24 Avoid contact with skin.

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

37/39 Wear suitable gloves and eye/face protection.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

- Contact:

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