

# LactiFence

# Material Safety Data Sheet

Preparation Date: 13-Jun-2017

Revision Date: 06-Oct-2025

Revision Number: 3

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name** LactiFence  
**Item#:** CAN6635  
**Recommended use** Lactic Acid Teat Dip Solution

**Supplier** DeLaval Inc.  
10900 Rue Secant Street  
Ville d'Anjou, Quebec H1J 1S5  
Tel: (705) 741-3100

**Emergency Telephone Number** West Penetone Inc: (514) 355-4660 8h-17h Monday to Friday  
Poison Control Center (Emergency, 24 H): 1-844-POISON-X or 1-844-764-7669

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
May cause eye irritation

### Potential Health Effects

**Principal Routes of Exposure** Eye contact  
Ingestion

**Major effects of exposure**  
**Eyes** May cause slight irritation.  
**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
D-Glucitol	50-70-4	10
Lactic acid	79-33-4	3.5

## 4. FIRST AID MEASURES

**Eye contact** Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, get medical advice/attention.

**Skin contact** Wash off with warm water and soap.

**Ingestion** Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

**Inhalation** Move to fresh air.

## 5. FIRE-FIGHTING MEASURES

**Fire Hazard** The product is not flammable.

**Unsuitable Extinguishing Media** No information available.

**Hazardous Combustion Products** No information available

**Specific hazards arising from the chemical** No information available.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA** Health hazards 1 Flammability 0 Instability 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Avoid contact with eyes.

**Environmental Precautions** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** strong oxidizing agents, strong acids, strong bases.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Eye/face Protection** If splashes are likely to occur, wear: Safety glasses with side-shields.

**Skin Protection** No special technical protective measures are necessary.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Dark green  
**Physical state** Liquid  
**Specific Gravity** 1.1  
**pH** 3.5  
**Water Solubility** soluble

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions.  
**Conditions to Avoid** Extremes of temperature and direct sunlight.  
**Incompatible Materials** strong oxidizing agents, strong acids, strong bases.  
**Hazardous decomposition products** None known

## 11. TOXICOLOGICAL INFORMATION

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-Glucitol	= 15900 mg/kg ( Rat )		
Lactic acid	3543 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	7.94 mg/L air (Rat)

### Chronic Toxicity

**Carcinogenicity** Contains no ingredient listed as a carcinogen

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Lactic acid		100 - 180: 96 h Lepomis macrochirus mg/L LC50 static 100 - 180: 96 h Oncorhynchus mykiss mg/L LC50 static 320: 96 h Brachydanio rerio mg/L LC50 semi-static	LC50: >88.2 mg/L 3h	180 - 320: 48 h Daphnia magna mg/L EC50 Static 240: 48 h Daphnia magna mg/L EC50

Lactic acid

Partition coefficient -0.54

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

## 15. REGULATORY INFORMATION

Chemical name	DSL	NDSL	TSCA	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
D-Glucitol	X		X	200-061-5		X	X	KE-31708 X	X	X
Lactic acid	X		X	201-196-2		X	X	KE-21803 X	X	X

### WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

**Preparation Date:** 13-Jun-2017

**Revision Date:** 06-Oct-2025

**Revision Note:**

Section 1: update Emergency Telephone Number

**Disclaimer**

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