

# LactiFence

# Material Safety Data Sheet

Preparation Date: 13-Jun-2017

Revision Date: 07-Jun-2018

Revision Number: 2

## 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** (613) 996-6666 (Canutec)

## 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

<b>Fire Hazard</b>	The product is not flammable.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Hazardous Combustion Products</b>	No information available
<b>Specific hazards arising from the chemical</b>	No information available.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>NFPA</b>	<b>Health hazards</b> 1 <b>Flammability</b> 0 <b>Instability</b> 0

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid contact with eyes.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>Incompatible Materials</b>	strong oxidizing agents, strong acids, strong bases.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Eye/face Protection</b>	If splashes are likely to occur, wear: Safety glasses with side-shields.
<b>Skin Protection</b>	No special technical protective measures are necessary.
<b>Respiratory Protection</b>	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	= 3730 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	

### Chronic Toxicity

Carcinogenicity	Contains no ingredient listed as a carcinogen
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Lactic acid	3.5: 70 h Pseudokirchneriella subcapitata mg/L EC50	320: 96 h Brachydanio rerio mg/L LC50 semi-static 100 - 180: 96 h Lepomis macrochirus mg/L LC50 static 100 - 180: 96 h Oncorhynchus mykiss mg/L LC50 static		240: 48 h Daphnia magna mg/L EC50 180 - 320: 48 h Daphnia magna mg/L EC50 Static

### Lactic acid

Partition coefficient	-0.62
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### 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:** 07-Jun-2018

**Revision Note:**  
No information available

**Disclaimer**

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