

# Vanquish Pre Post Activator

# Material Safety Data Sheet

Preparation Date: 01-May-2018

Revision Date: 07-Jun-2018

Revision Number: 2

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

**Product Name** Vanquish Pre Post Activator  
**Item#:** 6251  
**Recommended use** Teat Dip, Restricted to professional users

**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/skin 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	16
Phosphoric acid	7664-38-2	0.1 - 1
Lactic acid	79-33-4	1 - 5

## 4. FIRST AID MEASURES

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, get medical advice/attention.

**Skin contact** Wash off immediately with plenty of water. If skin irritation persists, call a physician.

**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. Get medical attention if symptoms occur.

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

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

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Hazardous Combustion Products** 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 the skin and the 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 skin and 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

Chemical name	ACGIH TLV	OSHA PEL	Alberta	British Columbia	Ontario TWAEV	Quebec
Phosphoric acid	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>

**Engineering Controls** Slight odor may be produced after mixing, ensure proper ventilation.

### **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** Yellow  
**Physical state** Liquid  
**Specific Gravity** 1.02  
**pH** No information available  
**Water Solubility** soluble

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions.  
**Incompatible Materials** strong oxidizing agents, strong acids, strong bases

## 11. TOXICOLOGICAL INFORMATION

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-Glucitol	= 15900 mg/kg ( Rat )		
Phosphoric acid	= 1530 mg/kg ( Rat )	2730 mg/kg ( Rabbit )	850 mg/m <sup>3</sup> ( Rat ) 1 h
Lactic acid	= 3730 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	

### **Chronic Toxicity**

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

12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Phosphoric acid		3 - 3.5: 96 h Gambusia affinis mg/L LC50		4.6: 12 h Daphnia magna mg/L EC50
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

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
Phosphoric acid	X		X	231-633-2		X	X	KE-27427 X	X	X
Lactic acid	X		X	201-196-2		X	X	KE-21803 X	X	X

**WHMIS Hazard Class**

Non-controlled

Chemical name	NPRI
Phosphoric acid	X

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.

---

<b>16. OTHER INFORMATION</b>
------------------------------

**Preparation Date:** 01-May-2018

**Revision Date:** 07-Jun-2018

**Revision Note:**  
No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.