



# Material Safety Data Sheet

**Flexo Products Limited** 4777 Kent Avenue, Niagara Falls, ON L2H 1J5  
Phone: (905) 354-2723 Fax: (905) 354-1301 Web Site: www.flexoproducts.com

## 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

### Perennial ZF

**Use:** High Solids Floor Sealer/Finish

**Code:** FH493

**Date of MSDS:** December 1, 2014

**WHMIS:** D2B

**HMIS:** Health 1  
Flammability 0  
Reactivity 0  
PPE B

**TDG CLASSIFICATION:** Not regulated

**Emergency Telephone # CANUTEC 613-996-6666**

## 2 – HAZARD IDENTIFICATION

**Irritancy of Product:** mild  
**Physical State:** liquid  
**EMERGENCY:** CAUTION! MAY CAUSE EYE AND SKIN IRRITATION.  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Route(s) of Entry:** eye, skin, inhalation, ingestion

### Acute Effects

**Eye:** may cause irritation  
**Skin:** may cause irritation  
**Inhalation:** may cause nose, throat, respiratory tract irritation & coughing  
**Ingestion:** may cause vomiting, headache & medical problems

See Toxicological information (Section 11 and 3)

## 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt/Wt %	CAS #	LD50 (mg/kg)	LC50
Acrylic Polymer	30-60	not hazardous	not available	not available
Wax Emulsion	5-10	not hazardous	not available	not available
Diethylene Glycol Monoethyl Ether	1-5	111-90-0	7500 Oral Rat	not available

## 4 - FIRST AID MEASURES

**Eye Contact:** Flush with water for 15 minutes. Contact a physician.  
**Skin Contact:** Good hygiene practices apply. Wash with soap and water after use.  
**Inhalation:** Remove to fresh air. If symptoms persist, contact a physician.  
**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Contact a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

## 5 - FIRE FIGHTING MEASURES

**Conditions of Flammability:** not flammable  
**UFL:** not applicable  
**LFL:** not applicable  
**Flash Point and Test Method:** not applicable  
**Sensitivity to Static Discharge or Mechanical Impact:** not applicable  
**Auto-Ignition Temperature:** not applicable  
**Hazardous Combustion Products:** oxides of carbon  
**Means of Extinction:** treat for surrounding material & fire

## 6 – ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use suitable protective equipment (Section 8). Keep out of reach of children.  
**Environmental Precautions:** Keep container in a cool, well-ventilated area. Keep container tightly closed. Do not allow to enter drains or watercourses.  
**Methods for Cleaning Up:** For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place split material in an appropriate container for disposal.

## 7 – HANDLING & STORAGE

**Storage Requirements:** Keep out reach of children. Keep container in a cool, well-ventilated area.  
Keep container tightly closed.



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## 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal Protective Equipment:**

**Eyes:** Eye protection is recommended.  
**Hands:** For prolonged or repeated handling, use impervious gloves.  
**Skin:** For prolonged or repeated handling, use impervious gloves.  
**Respiratory:** A respirator is not needed under normal and intended conditions of product use.

**Ventilation:** general ventilation normally adequate

## 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Physical State:</b> liquid	<b>Viscosity:</b> not applicable	<b>pH:</b> 7-8
<b>Freezing Point (°C):</b> not available	<b>Oil/Water Factor:</b> not available	<b>Appearance:</b> milky white liquid
<b>Vapour Density:</b> not available	<b>Evaporation Rate:</b> not available	<b>Odour:</b> mild acrylic
<b>Specific Gravity:</b> 1.00± 0.002	<b>Boiling Point (°C):</b> 100	<b>Odour Threshold:</b> not available
<b>Vapour Pressure:</b> not available		

## 10 – STABILITY & REACTIVITY

**Conditions of Chemical Instability:** stable  
**Conditions of Reactivity:** avoid extreme hot and cold temperatures  
**Hazardous Decomposition Products:** not available  
**Incompatible Substances:** strong acids & alkalis, chlorinated products, disinfectants  
**Storage Requirements:** store in closed containers away from incompatible materials

## 11 – TOXICOLOGICAL INFORMATION

**Acute Effects**

**Eye:** may cause irritation  
**Skin:** may cause irritation  
**Inhalation:** may cause nose, throat, respiratory tract irritation & coughing  
**Ingestion:** may cause vomiting, headache & medical problems

**Chronic Effects**

<b>Carcinogen:</b>	none known	<b>Teratogen:</b>	none known
<b>Mutagen:</b>	none known	<b>Reproductive Toxin:</b>	none known
<b>Synergistic Materials:</b>	not available	<b>Sensitization:</b>	none known

**Prolonged or Repeated Exposure - Skin:** may cause drying, defatting or dermatitis

## 12 – ECOLOGICAL INFORMATION

**Biodegradability:** considered biodegradable  
**BOD/COD Values:** not available  
**Ecotoxicity:** not available

## 13 – DISPOSAL CONSIDERATION

**For Leaks or Spills:** Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

**Waste Disposal:** Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14 – TRANSPORT INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

**UN CLASSIFICATION:** Not regulated

See shipping documents for specific transportation information.

## 15 – REGULATORY INFORMATION

**WHMIS:** Class D2B: Material causing other toxic effects (Toxic)  
**Canada Inventory:** All components are listed or exempted.

## 16 – OTHER INFORMATION

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