

# SAFETY DATA SHEET

Date Prepared : 07/06/2016

SDS No : FIRL

## First Step LEAF

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** First Step LEAF  
**GENERAL USE:** Floor sealer  
**PRODUCT DESCRIPTION:** Acrylic Floor Sealer  
**PRODUCT CODE:** FIRL  
**CHEMICAL FAMILY:** Acrylic Polymer/wax blend

#### MANUFACTURER

MISCO Products Corporation  
1048 Stinson Drive  
Reading, PA 19605

**Emergency Phone:** 610-926-4106

**Customer Service:** 800-548-4568

**Transportation:** 800-548-4568

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924

**POISON CONTROL CENTER (Medical):** 800-222-1222

### 2. HAZARDS IDENTIFICATION

#### GHS LABEL

#### HAZARD STATEMENTS

3266XHQZ: May be mildly irritating to eyes and skin.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P262: Do not get in eyes, on skin, or on clothing.

P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling.

##### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

##### Storage:

P404: Store in a closed container.

##### Disposal:

P501: Dispose of contents/container according to all local, state and Federal regulations.

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** White opaque liquid

**IMMEDIATE CONCERNS:** Mild eye irritant.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Contact may cause eye irritation.

**SKIN:** May be mildly irritating with prolonged or repeated contact.

**SKIN ABSORPTION:** None known.

**INGESTION:** Although of moderate to low toxicity, ingestion of large amounts can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**INHALATION:** None Expected.

#### REPRODUCTIVE TOXICITY

**TERATOGENIC EFFECTS:** None known.

**CARCINOGENICITY:** None known.

**MUTAGENICITY:** None known.

**ROUTES OF ENTRY:** Ingestion, eye

**SENSITIZATION:** None

**WARNING CAUTION LABELS:** None

**PHYSICAL HAZARDS:** None Expected.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Acrylate Copolymer	10 - 15	N/A
Oxidized Polyethylene	0 - 5	68441-17-8
Dipropylene glycol monomethyl ether	0 - 1	34590-94-8
Diethylene Glycol Ethyl Ether	0 - 5	111-90-0
2,2,4-trimethyl-1,3-pentanediol Monoisobutyrate	0 - 2	25265-77-4
Tributoxyethyl Phosphate	0 - 5	78-51-3
Water	70 - 80	7732-18-5

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** No known significant effects or critical hazards.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Slight discomfort with redness, watering eyes.

**SKIN:** No known significant effects or critical hazards.

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** No known significant effects or critical hazards.

**ACUTE TOXICITY:** None known.

**CHRONIC EFFECTS:** No known significant effects or critical hazards.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** NA = Not Applicable

**GENERAL HAZARD:** NA = Not Applicable

**EXTINGUISHING MEDIA:** NA = Not Applicable

**FIRE FIGHTING PROCEDURES:** NA = Not Applicable

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

**STORAGE:** Keep container closed to prevent drying out.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Dipropylene glycol monomethyl ether	TWA	100	600	100	606		
	STEL			150	909		
Diethylene Glycol Ethyl Ether	TWA					25	140

**ENGINEERING CONTROLS:** None

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** NA = Not Applicable

**PROTECTIVE CLOTHING:** NA = Not Applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic.

**ODOR THRESHOLD:** Not Established

**COLOR:** White emulsion

**pH:** 8.5 to 9.5

**PERCENT VOLATILE:** >80

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** N/A

**AUTOIGNITION TEMPERATURE:** NA = Not Applicable

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** > 1 Air = 1

**BOILING POINT:** 212° F; 100° C

**FREEZING POINT:** 32° F; 0° C

**MELTING POINT:** Not Available

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** dispersable

**EVAPORATION RATE:** (Water =1) 1.0

**DENSITY:** 8.53 at 20°C (68°F)

**SPECIFIC GRAVITY:** 1.022 grams/ml. at 20°C (68°F)

**VISCOSITY:** Water thin.

(VOC): 0.680 % by weight

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Yes

**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY:** No known significant effects or critical hazards.

**CONDITIONS TO AVOID:** Strong oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None Expected.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
Acrylate Copolymer	> 10000 mg/kg (rat)	
Dipropylene glycol monomethyl ether	> 5000 mg/kg (rat)	9510 mg/kg (rabbit)
Diethylene Glycol Ethyl Ether	6031 mg/kg (mouse)	9143 mg/kg (rabbit)
Tributoxyethyl Phosphate	3000 mg/kg (rat)	16 ml/kg (rabbit)

**EYES:** Not Established

**DERMAL LD<sub>50</sub>:** No known significant effects or critical hazards.

**SKIN ABSORPTION:** No known significant effects or critical hazards.

**INHALATION LC<sub>50</sub>:** No known significant effects or critical hazards.

**EYE EFFECTS:** Mild to moderate eye irritant.

**SKIN EFFECTS:** May irritate skin with prolonged or repeated contact.

**CHRONIC:** No known significant effects or critical hazards.

### CARCINOGENICITY

**IARC:** No listed substance

**CORROSIVITY:** No known significant effects or critical hazards.

**SENSITIZATION:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No known significant effects or critical hazards.

**ECOTOXICOLOGICAL INFORMATION:** Not Established

**AQUATIC TOXICITY (ACUTE):** Not Established

**CHEMICAL FATE INFORMATION:** Not Established

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Although not a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations 40CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** See above.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** NA = Not Applicable

#### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Liquid floor wax, not regulated.

**U.S. CUSTOMS HARMONIZATION NUMBER:** 3209.10.00.00

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Liquid floor wax, not regulated.

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Liquid floor wax, not regulated.

#### 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Health - Acute

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS	Comments
Diethylene Glycol Ethyl Ether	0 - 5	111-90-0	N230 Certain Glycol Ethers

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** NA = Not Applicable

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** NA = Not Applicable

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Dipropylene glycol monomethyl ether	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance

**CALIFORNIA PROPOSITION 65:** No listed substance

**CARCINOGEN:** No listed substance

#### 16. OTHER INFORMATION

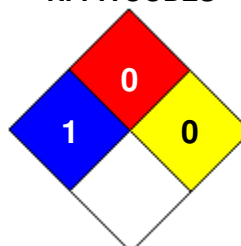
**PREPARED BY:** Regulatory Affairs Department

**Date Prepared:** 07/06/2016

**HMIS RATING**

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	A

**NFPA CODES**



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