



# MATERIAL SAFETY DATA SHEET

Conforms to 2001/58/EC Issued: 12/10/2005

**PRODUCT NAME: FIRST STEP SEALER**

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

<b>PRODUCT NAME</b>	: First Step Sealer	Product Number: 401
<b>PRODUCT USE</b>	: Floor Sealer	

<b>MANUFACTURER</b>	: Pioneer Eclipse Corp.
<b>P.O.BOX</b>	: 909
<b>ADDRESS</b>	: 1 Eclipse Road, Sparta, North Carolina, 28675, USA
<b>PHONE</b>	: +1 336 372 8080

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation:** Preparation

### INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	Einecs No.	Weight %	CAS No.	Symbol	R-phrases *
Dipropylene Glycol Methyl Ether	252-104-2	0.2-3	34590-94-8	none	none
Diethylene Glycol Methyl Ether	203-906-6	1-5	111-77-3	Xn (Harmful)	R63

\* see section 16 for the full text of relevant R-phrases

## 3. HAZARDS IDENTIFICATION

**Physical/chemical hazards:** No physical or chemical hazards have been reported or are known.  
**Human health hazards:** This product is not dangerous according to the EU regulations (67/548/EEC-1999/45/EC).  
**Environmental hazards:** On the basis of available information this material/preparation is not expected to produce any significant adverse environmental effects when used as directed.

## 4. FIRST AID MEASURES

### EFFECTS AND SYMPTOMS

**Inhalation:** None known  
**Ingestion:** None known  
**Skin contact:** May be mildly irritating  
**Eye contact:** May be mildly irritating

### FIRST AID MEASURES

**Inhalation:** No specific measures required  
**Ingestion:** No specific measures required  
**Skin contact:** Immediately wash off with plenty of water. If irritation develops, get medical attention.  
**Eye contact:** Immediately wash out with water. If irritation develops, get medical attention.

## 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Dry chemical, water spray, foam, carbon dioxide  
**Hazardous combustion products:** None  
**Unusual fire and explosion hazards:** Materials can splatter above 100°C/212°F.



# MATERIAL SAFETY DATA SHEET

Conforms to 2001/58/EC Issued: 12/10/2005

**PRODUCT NAME: FIRST STEP SEALER**

**Special fire fighting procedures:** None

## 6. ACCIDENTAL RELEASE MEASURES

**Small spills:** Absorb spill on inert material (e.g. sand, earth) and dispose of as waste material in accordance with national and regional provisions.

**Large spills:** Keep spectators away. Floors may be slippery; use care to avoid falling. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills and cleaning runoff out of sewers and open bodies of water.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes.

**Storage:** Storage temperature (Max. 60°C/140°F) (Min. 1°C/34°F). Keep from freezing, product may coagulate. Keep container sealed when not in use. Keep out of reach of children.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure limit values :**

Component Name:	Source / Date	Value / Units	Type	Carcinogenic Listing*
Dipropylene Glycol Methyl Ether	US (ACGIH) / 2005	100 ppm	8 HRS / TWA	N/L
Dipropylene Glycol Methyl Ether	US (OSHA) / 2005	100 ppm skin	8 HRS / PEL TWA	

**Exposure controls:** No special ventilation requirements. Ensure adequate general ventilation.

### OCCUPATIONAL EXPOSURE CONTROLS

**Respiratory protection:** No specific personal protection is required.

**Hand protection:** Rubber gloves recommended

**Eye protection:** Safety glasses recommended

**Skin protection:** If major exposure is possible, wear suitable protective clothing such as rubber boots, apron, etc.

**Environmental exposure controls:** No specific environmental exposure controls required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### GENERAL INFORMATION

**Appearance:** Thin milky white opaque liquid

**Odour:** Non ammoniated

### IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

**pH:** 8.25 to 8.75

**Flash point:** None

**Oxidizing properties:** Not an oxidizer

**Relative density:** 1.033 kg/l @ 20°C

**Solubility:** 100% soluble (dispersible) in water

**Boiling point/boiling range:** 100°C

**Explosive properties:** None

**Vapour pressure:** Less than water

**Viscosity:** Less than 25 centipoise @ 20°C

**Vapour density:** Greater than air

## PRODUCT NAME: FIRST STEP SEALER

**Partition coefficient (n-octanol/water):** Not determined

**Evaporation rate:** Less than water

**Other information:** forms a clear film upon drying

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** None known

**Materials to avoid:** None known

**Hazardous decomposition products:** None known

### 11. TOXICOLOGICAL INFORMATION

#### COMPONENT SUMMARY

Dipropylene Glycol Methyl Ether

LD<sub>50</sub>: (Oral) rat 5.35 g/kg,

LD<sub>50</sub>: (Skin) rabbit 9.5 g/kg

#### Potential Health Effects

**Eye:** Moderately irritating to eyes.

**Skin:** Mild skin irritation.

**Ingestion:** Small amount swallowed not likely to cause injury. Larger amounts may cause injury.

**Inhalation:** Slightly irritating. May cause drowsiness and dizziness.

**Chronic:** Minor liver or kidney damage. May have anesthetic or narcotic effects.

**CARCINOGENICITY:** Not expected to occur.

Diethylene Glycol Methyl Ether

LD<sub>50</sub>: (Oral) rat 7.1 g/kg,

LD<sub>50</sub>: (Skin) rabbit 9.4 g/kg

#### Potential Health Effects

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause irritation to mouth, nose and throat.

**Inhalation:** Irritating to respiratory system.

**Chronic:** Possible risk to unborn child.

**CARCINOGENICITY:** Not expected to occur.

#### PREPARATION SUMMARY

**Acute Toxicity:** LD<sub>50</sub> estimated to be greater than 2000 mg/kg

#### LOCAL EFFECTS

**Skin contact:** Irritating to skin upon repeated or prolonged contact.

**Eye Contact:** Slightly irritating

**Sensitization:** None known

**Chronic effects:** None known

#### SPECIFIC EFFECTS

**Carcinogenicity:** None known

**Reproductive effects:** None known

**Teratogenicity:** None known

**Mutagenicity:** None known

**12. ECOLOGICAL INFORMATION****COMPONENT SUMMARY**

Diethylene Glycol Methyl Ether: not available

**Dipropylene Glycol Methyl Ether**

**Ecotoxicity:** This material is expected to be non-hazardous to aquatic species.

**Toxicity to Fish / Amphibians:**

<u>Test type</u>	<u>Species</u>	<u>Value / Units</u>
LC50 / 96 HOURS	fathead minnow	10,000 mg/l

**Toxicity to Aquatic Invertebrates:**

<u>Test type</u>	<u>Species</u>	<u>Value / Units</u>
EC50 / 48 HOURS	daphnia	5,000 mg/l

**Environmental Fate:**

This material is volatile and water soluble. It may enter soil and may contaminate water. This material is likely to evaporate from dry soil but not from water. It is not expected to adsorb onto soils or sediments. Theoretical BOD (Closed Bottle Test) 77 - 84% (28 day)

**Bioaccumulation:** No relevant studies identified.

**Biodegradation:** This material is expected to be readily biodegradable in acclimated systems.

**13. DISPOSAL**

Disposal of this material should be in accordance with local, regional, and national regulations.

**14. TRANSPORT INFORMATION****INTERNATIONAL TRANSPORTATION REGULATIONS:**

This product is not classified for transportation under ADR/IMDG regulations.

**UN number:** not applicable

**Packing group:** not applicable

LAND-ROAD/RAILWAY

**Proper shipping name:** not applicable

**ADR/RID class:** not applicable

**ADR/RID item number:** not applicable

SEA

**Proper shipping name:** not applicable

**IMDG class:** not applicable

AIR

**Proper shipping name:** not applicable

**ICAO class:** not applicable



# MATERIAL SAFETY DATA SHEET

Conforms to 2001/58/EC Issued: 12/10/2005

**PRODUCT NAME: FIRST STEP SEALER**

<b>Medical First Aid Guide (MFAG):</b>	not applicable
<b>Emergency Schedules (EmS):</b>	not applicable
<b>Marine Pollutant:</b>	none

## 15. REGULATORY INFORMATION

**NATIONAL REGULATIONS:** No additional national regulations are known to the supplier.

### EU REGULATIONS

**EU Classification:** Classified as non-hazardous according to current legislation (67/548/EEC, 1999/45/EC).

**EINECS Status:** All ingredients are included in the EINECS inventories.

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

## 16. OTHER INFORMATION

### Relevant R phrases:

R63-Possible risk of harm to the unborn child.

### Issued by:

Genie G Bost, Regulatory Affairs Manager

### Revision Information:

12/10/2005, conforming to 2001/58/EC