



PIO401FS  
**SAFETY DATA SHEET**  
**401: READY TO USE**

Issued: May 25, 2016  
Supersedes: May 15, 2015

**FIRST STEP™ SEALER**

**1: PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** First Step Sealer **Product Number:** 401  
**Recommended Use:** Water-based floor sealer  
Ready to Use  
Product intended for commercial and industrial use only.  
**Uses Advised Against:** Other than per labelled instructions

**Manufacturer Address:**

Amano Pioneer Eclipse Corporation  
P.O. Box 909  
1 Eclipse Road  
Sparta, NC 28675  
Telephone: 1-336-372-8080  
Email: sds@pioneereclipse.com  
Internet: www.pioneereclipse.com

**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.  
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

**2: HAZARDS IDENTIFICATION**

**Classification:** Not classified as hazardous; as determined by OSHA 1910.1200.  
**Signal Word:** None  
**Pictogram:** None  
**Hazard Statements:** None  
**Precautionary Statements:** None  
**Other Hazards:** None  
**Supplemental Information:** None

**3: COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	CAS Number	Weight % *
diethylene glycol monoethyl ether	111-90-0	1 - 5
dipropylene glycol methyl ether	34590-94-8	1 - 5

\* Exact concentration of the ingredients has been withheld as a trade secret.

**4: FIRST AID MEASURES**

**DESCRIPTION OF FIRST AID MEASURES**

**Eye Contact:** Rinse with plenty of water. If irritation develops and persists, seek medical attention.  
**Skin Contact:** Wash with soap and plenty of water. If irritation develops and persists, seek medical attention.  
**Inhalation:** If breathing is difficult, remove to fresh air. If symptoms persist, seek medical attention.  
**Ingestion:** If ingested, do not induce vomiting. Seek medical attention.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**Eye Contact:** None expected under normal use.  
**Skin Contact:** None expected under normal use.  
**Inhalation:** None expected under normal use.  
**Ingestion:** None expected under normal use.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Treat symptomatically.

**5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing media:** Dry Chemical, water spray, foam, carbon dioxide  
**Specific Hazards:** Materials can splatter above 212 °F / 100 °C  
**Protective Equipment and Precautions:** No special fire fighting procedures recommended. Follow all general fire safety guidelines.



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#### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

**Environment Precautions:** Keep spills and cleaning run-off out of sewers and open bodies of water.

#### CONTAINMENT AND CLEAN-UP

**Small Spills:** Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

**Large Spills:** 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.

**Waste Disposal:** Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

#### 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes and skin. Wash thoroughly after handling. Use in well-ventilated areas.

**Conditions for Safe Storage:** Storage temperature ( Max. 60°C/140°F - Min. 1°C/34°F).

**Other Information:** Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

#### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Exposure Limits:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
(2-Methoxymethylethoxy)-propanol [dipropylene glycol methyl ether]	34590-94-8	100 ppm (skin)	150 ppm (skin)	100 ppm (skin)	N/E

**Engineering Controls:** Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

##### Personal Protective Equipment (PPE)

**Eye/Face Protection:** Safety eyewear is recommended, to avoid chemical splashes and mists.

**Skin Protection:** Chemical resistant gloves are recommended.

**Respiratory Protection:** Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

#### 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** milky, white liquid

**Odor:** mild acrylic

**Odor Threshold:** data not available

**pH:** 8.5

**Freezing Point:** data not available

**Boiling Point:** data not available

**Flash Point:** >200 °F / >93 °C

**Evaporation Rate:** less than water

**Flammability (solid/gas):** not applicable to liquids

**Upper/Lower Flammability limits:** data not available

**Vapor Pressure:** data not available

**Vapor Density:** data not available

**Relative Density:** 8.6 lb/gal @ 68°F / 1.03 kg/l @ 20°C

**Solubility:** miscible in water

**Partition Coefficient:** data not available



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**Auto Ignition temperature:** data not available  
**Decomposition Temperature:** data not available  
**Viscosity:** < 5 centipoise @ 68 °F (20 °C)  
**VOC:** 1.91%

#### 10: STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions  
**Stability:** Stable under normal conditions  
**Hazardous reactions:** None known  
**Conditions to avoid:** None known  
**Incompatible materials:** Do not mix with other chemicals unless stated on the product label.  
**Hazardous decomposition products:** None known

#### 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not determined on product.

##### LOCAL EFFECTS

**Skin contact:** May cause mild irritation.  
**Eye contact:** May cause mild irritation.  
**Sensitization:** None expected  
**Chronic effects:** None expected

##### SPECIFIC EFFECTS

**Carcinogenicity:** None known  
**Reproductive effects:** None known  
**Teratogenicity:** None known  
**Mutagenicity:** None known

##### COMPONENT INFORMATION

Component	LD50 Oral- Rat (mg/kg)	LD50 Dermal - Rabbit (µl/kg)	LC <sub>50</sub> Inhalation- Rat (mg/m <sup>3</sup> )
diethylene glycol monoethyl ether	1920	4200	>5240
dipropylene glycol methyl ether	5230	9500	N/A

**Carcinogenicity:** Components are not known to be classified as carcinogens.

#### 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Ecological testing has not been completed on the mixture.  
**Persistence and Degradability:** Data not available.  
**Bioaccumulative Potential:** Data not available.  
**Mobility in Soil:** Data not available.  
**Other Adverse Effects:** Data not available.

#### 13: DISPOSAL CONSIDERATIONS

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

#### 14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

**UN Number:** None  
**UN Proper Shipping Name:** None  
**Hazard Class:** None  
**Packing Group:** None  
**Marine Pollutant:** None  
**Transport in Bulk:** N/A  
**Other Information:** None

#### 15: REGULATORY INFORMATION

##### U.S. REGULATIONS/REPORTING:

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
diethylene glycol monoethyl ether	111-90-0	N/L	present*	***



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### STATE RIGHT-TO-KNOW STATUS:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
diethylene glycol monoethyl ether	111-90-0	N/L	N/L	present*	N/L
dipropylene glycol methyl ether	34590-94-8	present	present	present	present

**CALIFORNIA PROPOSITION 65:** Components are not present on CA Prop 65 listing.

**CANADA REGULATIONS/REPORTING:** This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (*HPR*) and the SDS contains the information required by the *HPR*.

### 16: OTHER INFORMATION

#### Abbreviations Used:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

\* - listed as generic class Glycol Ethers

\*\*\* - No RQ assigned, although a CERCLA hazardous substance

#### Revision Information:

May 25, 2016 - Logo change, email address, minor edits

Health: 1
Flammability: 0
Reactivity: 0

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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

**\*\*IMPORTANT SAFETY INFORMATION\*\*DO NOT DISCARD\*\*PLEASE ROUTE TO COMPANY SAFETY OFFICER\*\***