

## ENVIROSTAR 2000® FLOOR SEALER

*A modified acrylic polymer emulsion with excellent stain resistant properties. Prevents asphalt, coal tar, shoe polish, mustard, ketchup, lipstick, rust, betadine and other common stains from penetrating into the tile.*

### FEATURES

- Advanced, zinc-free technology
- Provides a durable, hard seal
- High clarity, non-yellowing
- Saves tile floor from abrasive stripping
- Classified by UL as to slip resistance only



### RECOMMENDED FLOOR SURFACES

All resilient tile flooring, linoleum and most types of terrazzo, marble and quarry tile.

### PRODUCT DATA

Description	Acrylic co-polymer emulsion
Appearance:	Milky white
Fragrance:	Mild acrylic
Coverage:	1500 sq ft per gal first coat (37 sq m per liter) 2500-3000 sq ft per gal on successive coats (61-74 sq m per liter)
Non-Volatile Solids:	20.0 ± 0.5%, ASTM D2834-95 (2001)
Detergent Resistance:	Excellent, ASTM D3207-92 (1996)e1
Removability:	Semi-permanent
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
Slip Resistance:	Meets ASTM D2047-99 requirements. Classified by UL as to slip resistance only.
Drying time:	30 minutes
Shelf Life:	1 year, ASTM D1791-93 (1998)
Density:	8.6 lb per gal @ 68°F 1.03 kg per liter @ 20°C
Freeze/Thaw:	Passes 3 cycles ASTM D3209-93 (1998)

### PRECAUTIONS

Keep out of reach of children. Keep container sealed when not in use. Avoid freezing. If frozen, allow to return to room temperature slowly and mix thoroughly before using.

### ORDERING INFORMATION

Product #406FS:	2 x 2.50 gallon per case (2 x 9.5 liter)
Product #406MP:	4 x 1.06 gallon per case (4 x 4 liter)

### DIRECTIONS FOR USE: INITIAL APPLICATION

1. Remove old coating and sealer with recommended Pioneer Eclipse floor stripper following label directions. For best results, use stripping machine with Pioneer Eclipse pad or brushes.
2. Use a clean mop or autoscrubber to rinse the floor twice using Pioneer Eclipse neutral cleaner following label directions.
3. Rinse floor again with clean cold water and allow to dry.
4. Apply a thin coat of EnviroStar 2000 Sealer with a clean synthetic mop and allow floor to dry thoroughly.
5. Apply a second thin coat of EnviroStar 2000 Sealer with a clean synthetic mop. Stay 6-12 inches (15-30 cm) away from baseboards and corners during application of the second coat and allow floor to dry thoroughly.
6. Apply recommended Pioneer Eclipse floor coating following label directions. Do not exceed 6 total coats of sealer and coating combined. Allow floor to dry thoroughly between coats.
7. Burnish as desired with recommended Pioneer Eclipse machine and pad.
8. When stripping is necessary, remove EnviroStar 2000 Sealer using recommended Pioneer Eclipse floor stripper following label directions. Use stripping machine with Pioneer Eclipse pad or brushes.

**NOTE:** To prevent contamination do not pour unused product from bucket into original container.

**ENVIROSTAR 2000 FLOOR SEALER**

**LAST REVISION DATE:** 04/02/07  
**MANUFACTURER:** Pioneer Eclipse® Corporation  
 Sparta, NC 28675 Phone: 1-336-372-8080  
**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure or Accident **CALL CHEMTREC - Day or Night 1-800-424-9300** Toll Free in the Continental US **483-7616** in DISTRICT OF COLUMBIA. For calls originating outside the US: Call Collect **1-202-483-7616** Washington, DC.

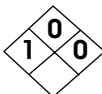
**SECTION I: GENERAL INFORMATION**

**PRODUCT NAME:** EnviroStar 2000 Sealer  
**PRODUCT #:** 406  
**PRODUCT CLASS:** Acrylic co-polymer emulsion  
**CAS#:** N/E  
**PRECAUTIONS:** Possible skin and eye irritant. Keep container sealed when not in use. Keep out of reach of children.

**FLAMMABILITY:** 0  
**REACTIVITY:** 0  
**HEALTH:** 1

**NFPA HAZARD RATINGS**

4-EXTREME 3-HIGH 2-MODERATE  
 1-SLIGHT 0-INSIGNIFICANT



**SECTION II: HAZARDOUS INGREDIENTS**

**INGREDIENT:** Diethylene glycol monobutyl ether  
**CAS#:** 112-34-5  
**%:** 1-5  
**OSHA PEL:** N/L  
**ACGIH TLV:** N/L  
**LD<sub>50</sub> SPECIES & ROUTE:** 5.7 g/kg rat, oral  
 2.7 g/kg rabbit/skin

**INGREDIENT:** \*Diethylene glycol monoethyl ether  
**CAS#:** 111-90-0  
**%:** 1-5  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 5.5 g/kg rat, oral  
 9.0 g/kg rabbit, skin

\* This chemical is subject to the reporting requirements of Section 313 of SARA Title III.

N/E = Not Established, N/L = Not Listed,  
 N/A = Not Applicable

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Milky white  
**PHYSICAL STATE:** Liquid  
**pH:** 7.7 ± 0.5  
**BOILING POINT:** 100°C / 212°F  
**EVAPORATION RATE:** Less than water  
**FREEZING POINT:** 0°C / 32°F  
**VAPOR DENSITY:** Less than air  
**VOLATILE BY WEIGHT:** 80.0 ± 0.5%  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 8.6 lb per gal @ 68°F  
 1.03 kg per liter @ 20°C  
**SOLUBILITY IN WATER:** Miscible

**SECTION IV: FIRE AND EXPLOSION DATA**

**FLASH POINT:** Non-combustible  
**EXPLOSIVE LIMITS:**  
 LOWER: N/A UPPER: N/A  
**EXTINGUISHING MEDIA:** N/A  
**SPECIAL FIRE FIGHTING PROCEDURES:** None  
**HAZARDOUS COMBUSTIBLE PRODUCTS:** None  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
 Materials can splatter above 100°C / 212°F.

**SECTION V: REACTIVITY DATA**

**STABILITY:** Stable  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**INCOMPATIBILITY (MATERIALS TO AVOID):**  
 Strong acids and bases  
**HAZARDOUS DECOMPOSITION PRODUCTS:** N/A  
**REACTIVITY CONDITIONS:** None

**SECTION VI: HEALTH HAZARD DATA**

**EYES:** Slightly irritating to eyes. For eye contact, flush with a large amount of water for at least 15 minutes. See a physician if irritation persists.  
**SKIN:** Slightly irritating to skin upon repeated or prolonged contact. For skin contact, wash affected areas with soap and water.  
**INHALATION:** Vapor or mist may cause irritation of the eyes, nose, throat and lungs. For overexposure, move subject to fresh air.  
**INGESTION:** May cause irritation to mouth, esophagus and stomach. If ingested, drink several glasses of water and do not induce vomiting. Seek medical attention.  
**CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Prolonged or repeated contact can cause drying, defatting and dermatitis to skin.  
**CARCINOGEN:** Non-carcinogenic  
**REPRODUCTIVE EFFECTS:** N/E  
**TERATOGENICITY:** N/E  
**MUTAGENICITY:** N/E  
**THRESHOLD LIMIT VALUE:** See Section II.

**SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES**

**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:** 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.  
**WASTE DISPOSAL:** Dispose of as waste material in accordance with local, state, and federal regulations.

**SECTION VIII: SPECIAL PROTECTION**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**  
**EYES:** None required under normal conditions of use. Safety glasses recommended.  
**SKIN:** If prolonged or repeated contact is possible, chemical-resistant clothing (e.g., rubber gloves) is recommended.  
**RESPIRATORY:** No respiratory protection is required if ventilation is adequate.

**ENGINEERING CONTROLS:** Good general room ventilation is expected to be adequate. Local exhaust ventilation (e.g., fans) may be necessary when general ventilation does not keep airborne concentrations below any exposure limits.

**SECTION IX: SPECIAL PRECAUTIONS**

**HANDLING AND STORAGE:**  
 Storage temperature (MAX. 60°C / 140°F) (MIN. 1°C / 34°F)  
**OTHER PRECAUTIONS:** Keep from freezing; product may coagulate.

**SECTION X: ADDITIONAL INFORMATION**

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) or the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

This MSDS 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\*\*

