

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.

Pioneer Eclipse®

ENVIROSTAR 2000 FLOOR SEALER

LAST REVISION DATE: 11/08/05
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.

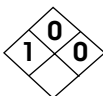
FLAMMABILITY: 0

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

LD₅₀ 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

LD₅₀ 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
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 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

Pioneer Eclipse

LTPD406-02/06