

## ECLIPSE® HARD FLOOR FLOOR SEALER

*A water-based acrylic formula sealer for concrete, stone and similar hard floor surfaces*

### FEATURES

- VOC compliant
- No offensive odors
- Does not require acid etching before application
- Quick drying formula
- Excellent adhesion
- Non-yellowing
- Classified by UL as to slip resistance only



### RECOMMENDED FLOOR SURFACES

Concrete and most types of terrazzo, marble and quarry tile.  
Can be used as a permanent seal for vinyl asbestos tile.

### PRODUCT DATA

Description:	Acrylic co-polymer emulsion
Appearance:	Milky white
Fragrance:	Slight solvent
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:	19.0 ± 0.5%, ASTM D2834-95 (2001)
Detergent Resistance:	Excellent, ASTM D32097-92 (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:	Approximately 30 minutes
Shelf Life:	1 year, ASTM D1791-93 (1998)
Density:	8.5 lb per gal @ 68.F 1.02 kg per liter @ 20.C
Freeze/Thaw:	Passes 3 cycles, ASTM D3209-93 (1998)

### PRECAUTIONS

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

### ORDERING INFORMATION

Product #403FS:	2 x 2.50 gallon per case (2 x 9.5 liters)
Product #403MP:	4 x 1.06 gallon per case (4 x 4 liters)

### DIRECTIONS FOR USE:

1. Remove old coating and sealer with recommended Pioneer Eclipse floor stripper following label directions. Use autoscrubber or stripping machine with pad or brushes manufactured by Pioneer Eclipse.
2. Use a clean mop or autoscrubber to rinse the floor twice using a Pioneer Eclipse neutral cleaner following label directions.
3. Rinse floor again with clean cold water and allow to dry.  
**OPTION:** Use Eclipse® All Purpose Neutralizer in areas where alkalinity is a problem. Follow label directions.
4. Apply a thin coat of Eclipse Hard Floor Sealer with a clean synthetic mop and allow floor to dry thoroughly.
5. Apply a second thin coat of Eclipse Hard Floor 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 Eclipse Hard Floor Coating following label directions. Do not exceed 6 total coats of sealer and coating combined. When 2 coats of Eclipse Hard Floor Sealer are applied, do not apply more than 4 coats of coating. Allow floor to dry thoroughly between coats.
7. Burnish as desired with recommended machine and pad manufactured by Pioneer Eclipse.
8. When stripping is necessary, remove coating and sealer using recommended Pioneer Eclipse floor stripper following label directions. Use autoscrubber or stripping machine with pad or brushes manufactured by Pioneer Eclipse.

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

*Pioneer Eclipse®*

**ECLIPSE HARD FLOOR SEALER**

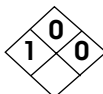
LAST REVISION DATE: 02/27/06

**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:** Eclipse® Hard Floor Sealer  
**PRODUCT #:** 403  
**PRODUCT TYPE:** Acrylic co-polymer emulsion  
**PRECAUTIONS:** Possible skin and eye irritant.  
Keep container sealed when not in use. Keep out  
of reach of children.  
**HEALTH:** 1  
**FLAMMABILITY:** 0  
**REACTIVITY:** 0  
**NFPA HAZARD RATINGS**

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

**SECTION II: HAZARDOUS INGREDIENTS**

**INGREDIENT:** Dipropylene glycol monomethyl ether  
**CAS#:** 34590-94-8  
**%:** 1-5  
**OSHA PEL:** 100 ppm (TWA)  
**ACGIH TLV:** 100 ppm (TWA) 150 ppm (STEL) (skin)  
**LD<sub>50</sub> SPECIES & ROUTE:** 5.4 g/kg rat, oral  
9.5 g/kg rabbit, skin

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Milky white  
**PHYSICAL STATE:** Liquid  
**pH:** 7.8 ± 0.5  
**BOILING POINT:** 100°C / 212°F  
**EVAPORATION RATE:** Less than water  
**FREEZING POINT:** 0°C / 32°F  
**VAPOR DENSITY:** Greater than air  
**VOLATILE BY WEIGHT:** 81.0 ± 0.5%  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 8.5 lb per gal @ 68°F  
1.02 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**

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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\*\*

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

Pioneer Eclipse®