

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 properties
- 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 #403:	2 x 2.64 gallon per case (2 x 10 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. 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 Eclipse Neutral Cleaner following label directions. If needed, rinse with Eclipse All Purpose Neutralizer following label directions.
3. Rinse floor again with clean cold water and allow to dry.
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 manufactured by Pioneer Eclipse following label directions. Do not exceed 6 initial 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 a recommended Pioneer Eclipse machine and pad.

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

Pioneer Eclipse®

MATERIAL SAFETY DATA SHEET

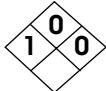
ECLIPSE HARD FLOOR SEALER

LAST REVISION DATE: 06/30/03
MANUFACTURER: Pioneer Eclipse® Corporation
 Sparta, NC 28675 Phone: 1-336-372-8080
FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident **CALL CHEMTRIC - 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.
FLAMMABILITY: 0
REACTIVITY: 0
HEALTH: 1
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) 150 ppm (STEL)
ACGIH TLV: 100 ppm (TWA) 150 ppm (STEL)
LD 50 SPECIES & ROUTE: 5.4 g/kg rat, oral
 9.5 g/kg rabbit, skin

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

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE: Milky white
PHYSICAL STATE: Liquid
pH: 7.8 ± 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

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

Pioneer Eclipse®

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