

revolution 2000® PREMIUM FLOOR COATING

A technologically advanced acrylic co-polymer coating designed to achieve a durable, brilliant, wet-look shine

FEATURES

- **Extremely durable**
- **High initial gloss**
- **Fewer coats reduces product cost and labor**
- **Crystal clear, non-yellowing formula**
- **Self-Sealing**
- **Classified by UL as to slip resistance only**



RECOMMENDED FLOOR SURFACES

All resilient tile floors and most types of terrazzo, marble, concrete, and quarry tile

PRODUCT DATA

Description:	Acrylic co-polymer emulsion
Appearance:	Milky white
Fragrance:	Slight ammoniacal
Coverage:	2000-2500 sq ft per gal 49-61 sq m per liter
Non-Volatile Solids:	28.0 ± 0.5%, ASTM D2834-95 (2001)
Specular Gloss (60°):	>85, ASTM D1455-87 (1997)
Buffability:	Excellent
Detergent Resistance:	Excellent ASTM D3207-92 (1996) e1
Removability:	Excellent
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:	8.7 lb per gal @ 68°F 1.04 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 #116FS:	2 x 2.50 gallon per case (2 x 9.5 liter)
Product #116MP:	4 x 1.06 gallon per case (4 x 4 liter)

DIRECTIONS FOR USE: INITIAL APPLICATION:

1. Remove old coating and sealer with the recommended Pioneer Eclipse stripper following label directions. Use autoscrubber or stripping machine with Pioneer Eclipse pads or brushes.
2. Use a clean mop or autoscrubber to rinse the floor twice using a Pioneer Eclipse neutral cleaner. Rinse floor again with clean, cold water and allow to dry.
3. Apply 3 coats of Revolution 2000 Floor Coating with a clean, synthetic mop.
4. Allow floor to dry 30 to 45 minutes between coats and prior to burnishing.
5. Burnish thoroughly before traffic is allowed on the floor.

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

DIRECTIONS FOR USE: ROUTINE MAINTENANCE:

1. Sweep floor daily with either a mop treated with EnviroStar Green® Dust Mop Treatment, or with an untreated dust mop.
2. Mop or autoscrub as necessary with a Pioneer Eclipse Neutral Cleaner following label directions.
3. Burnish as desired with recommended Pioneer Eclipse machine and pad.
4. As needed, perform a deep scrub and recoat applying an additional 1-2 coats of Revolution 2000 Floor Coating.
5. Allow floor to dry 30 to 45 minutes between coats and prior to burnishing.
6. Burnish thoroughly before traffic is allowed on the floor.
7. When stripping is necessary, remove Revolution 2000 Floor Coating with a recommended Pioneer Eclipse stripper.

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

Pioneer Eclipse®

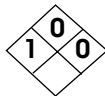
revolution 2000 PREMIUM FLOOR COATING

REVISION DATE: 02/21/06
MANUFACTURER: Pioneer Eclipse® Corp.
 Sparta, NC 28675 Phone: 1-336-372-8080
FOR CHEMICAL EMERGENCY: Spill, Leak, Fire,
 Exposure or Accident **CALL CHEMTREC - Day or
 Night at 1-800-424-9300** Toll Free in the
 Continental US **483-7616** in DISTRICT OF
 COLUMBIA. For calls originating outside the US: Call
 Collect at **1-202-483-7616** Washington, DC.

SECTION I: GENERAL INFORMATION

PRODUCT NAME: revolution 2000 Premium
 Floor Coating
PRODUCT #: 116
PRODUCT TYPE: 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.
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
NFPA HAZARD RATINGS

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

**SECTION II: HAZARDOUS INGREDIENTS**

INGREDIENT: *Diethylene glycol monoethyl ether
CAS#: 111-90-0
%: 5-10
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: 8.3 ± 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: 72.0 ± 0.5%
VAPOR PRESSURE: Less than water
DENSITY: 8.7 lb per gal @ 68°F
 1.04 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
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 out of or in connection with the
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 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®

LTPD116-02/06