

## DAY-STAR® ULTRA HIGH-SPEED FLOOR COATING

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

### FEATURES

- *Very durable coating with enhanced dirt resistant properties*
- *Outstanding scuff and black heel mark resistance*
- *Excellent wet-look shine with minimum burnishing*
- *Reduces scrubbing and stripping cycles - less costly to use*
- *High clarity, non-yellowing formulation*
- *UL Classified for slip resistance only*



### RECOMMENDED 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:	2500-3000 sq ft per gal 61-74 sq m per liter
Non-Volatile Solids:	20.0 ± 0.5%, ASTM D2834-95 (2001)
Specular Gloss (60°):	>85, ASTM D1455-82 (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:	8.6 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 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 #109:	2 x 2.64 gallon per case (2 x 10 liter)
Product #109MP:	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. For optimum results, use a Pioneer Eclipse stripping machine with recommended 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 5-6 coats of Day-Star Floor Coating with a clean, synthetic mop and allow to dry between coats. On old or porous floors and in cases of extreme traffic conditions, use recommended Pioneer Eclipse sealer prior to applying Day-Star Floor Coating.  
**Note:** Do not exceed a total initial application of 6 coats combined coating and sealer.
4. Allow floor to dry thoroughly between coats and prior to burnishing.  
**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 Eclipse 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. Restore as needed with a Pioneer Eclipse maintainer.
4. Burnish as desired with recommended Pioneer Eclipse machine and pad.
5. As needed, perform a deep scrub and recoat applying an additional 1-2 coats of Day-Star Floor Coating.
6. Allow floor to dry thoroughly between coats and prior to burnishing.
7. When stripping is necessary, remove Day-Star Floor Coating with a recommended Pioneer Eclipse stripper.

*Pioneer Eclipse*

**DAY-STAR FLOOR COATING**

**LAST REVISION DATE:** 06/18/03  
**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:** Day-Star Ultra High-Speed  
 Floor Coating  
**PRODUCT #:** 109  
**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:** \*Diethylene glycol monoethyl ether  
**CAS#:** 111-90-0  
**%:** 1-5  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD 50 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:** 8.7 ± 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:** 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 dike 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  
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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*