

## ENVIROSTAR GREEN® FLOOR SEALER

### ADVANCED FORMULATION CONTAINING

- NO zinc cross linking agents
- NO ethylene glycol based solvents
- NO VOC's that exceed established regulatory limits
- NO bioaccumulative fluorocarbon surfactants
- NO alkyl phenol ethoxylate surfactants
- NO environmentally toxic preservatives
- NO inorganic phosphates

### FEATURES

- Yields maximum depth of shine with fewer finish coats
- Prolongs finish performance
- Provides a durable foundation for UHS coating



Pioneer Eclipse EnviroStar Green Products have been formulated in Partnership with the US Environmental Protection Agency's Design for the Environment Program.



### RECOMMENDED FLOOR SURFACES

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

### PRODUCT DATA

Description:	Water based floor sealer
Appearance:	Milky white
Fragrance:	Non ammoniated
Coverage:	2000-2500 sq ft per gal 49-61 sq m per liter
Non-Volatile Solids:	22.0% ± 0.5, ASTM D2834-95 (2001)
Slip Resistance:	Meets ASTM D2047-99 requirements.
Drying time:	Approximately 30-40 minutes
Viscosity (Brookfield):	<10 centipoise @ 68.F (20.C)
Density:	8.6 lb per gal @ 68.F 1.03 kg per liter @ 20.C
Freeze/Thaw:	Passes 3 cycles, ASTM D3209-93 (1998)
Shelf Life:	1 year, ASTM D1791-93 (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 #413FS:	2 x 2.50 gallon per case (2 x 9.5 liter)
Product #413MP:	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. Use Pioneer Eclipse stripping machine or autoscrubber with Pioneer Eclipse pads or brushes.
2. Use a clean mop or autoscrubber to rinse the floor twice using EnviroStar Green All Purpose Cleaner following label directions.
3. Rinse floor again with clean cold water and allow to dry.
4. Apply a thin coat of EnviroStar Green Floor Sealer with a clean synthetic mop and allow floor to dry thoroughly.
5. Apply a second thin coat of EnviroStar Green 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 EnviroStar Green 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 Pioneer Eclipse burnisher and pad.
8. When stripping is necessary, remove sealer and coating using EnviroStar Green Floor Stripper following label directions. Use Pioneer Eclipse autoscrubber or stripping machine with Pioneer Eclipse pads or brushes.

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

*Pioneer Eclipse®*

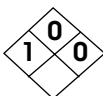
# ENVIROSTAR GREEN FLOOR SEALER

**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:** EnviroStar Green Floor Sealer  
**PRODUCT #:** 413  
**PRODUCT TYPE:** Water based floor sealer  
**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: INGREDIENTS

**INGREDIENT:** Water  
**CAS#:** 7732-18-5  
**%:** 40-45  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** N/E

**INGREDIENT:** Acrylic Polymer Emulsion  
**CAS#:** N/E  
**%:** 45-50  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** N/E

**INGREDIENT:** Dipropylene glycol methyl ether  
**CAS#:** 34590-94-8  
**%:** 2-5  
**OSHA PEL:** 100 ppm (TWA)  
**ACGIH TLV:** 150 ppm, (TWA) (STEW) (skin)  
**LD<sub>50</sub> SPECIES & ROUTE:** 5.35 g/kg rat, oral

**INGREDIENT:** Tributoxo ethyl phosphate  
**CAS#:** 78-51-3  
**%:** 2-5  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 3 g/kg rat, oral

**INGREDIENT:** Tripropylene glycol methyl ether  
**CAS#:** 25498-49-1  
**%:** 0.5-1  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 3.2 g/kg rat, oral

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

## SECTION III: PHYSICAL/CHEMICAL DATA

**APPEARANCE:** Milky white  
**pH:** 7.6 ± 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:** 77-79%  
**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  
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 any direct, special or consequential damages  
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 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®

LTPD413-02/06