



## POROUS SURFACE TREATMENT

*A ready-to-use, water-based, indoor/outdoor solution designed to provide stain resistance to materials such as concrete, natural stone, brick, unglazed ceramic tile and grout.*

### FEATURES

- *Ready-to-use*
- *Great for indoor or outdoor use*
- *Keeps surfaces looking clean and stain-free*
- *Easy application with a pump-up sprayer*



### RECOMMENDED APPLICATIONS

Porous surfaces such as concrete, natural stone, brick, unglazed ceramic tile and grout.

### PRODUCT DATA

Description:	Aqueous fluorochemical dispersion
Appearance:	Pale yellow
Fragrance:	Slight solvent
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
pH:	4.8 ± 0.5 ASTM E70-97
Density:	8.5 lb per gal @ 68°F 1.0 kg per liter @ 20°C
Flash Point:	None
Freeze/Thaw:	Passes 3 cycles ASTM D3209-93 (1998)
Shelf Life:	2 years, ASTM D1791-93 (1998)

### PRECAUTIONS

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

### ORDERING INFORMATION

Product #411MP: 4 x 1.06 gallon per case (4 x 4 liter)

### DIRECTIONS FOR USE:

1. Clean floor to be treated with Eclipse Neutral Cleaner according to label directions.
2. If the floor is heavily soiled, clean with Eclipse d-Limonene according to label directions.
3. Rinse floor thoroughly with water and allow to dry completely.
4. Fill pump-up sprayer with Eclipse Porous Surface Treatment to provide coverage of 150-300 sq ft per gal (4-7 sq m per liter) for medium to high porosity floors or 500-1000 sq ft per gal (12-24 sq m per liter) for low porosity floors.
5. Spray floor completely with the spray head set to a medium spray. Do not apply solution so heavily that puddles are formed.
6. Highly porous surfaces such as concrete require a second treatment which may be applied after the first treatment is dry (10-30 minutes).

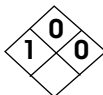
**Note:** Eclipse Porous Surface Treatment is ready to use. Do NOT dilute.

*Pioneer Eclipse®*

**ECLIPSE® POROUS SURFACE TREATMENT****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® Porous Surface  
Treatment**PRODUCT #:** 411**DESCRIPTION:** Aqueous fluorchemical dispersion**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**\*\* There are no hazardous ingredients in this  
product. \*\***OSHA PEL:** N/A**ACGIH TLV:** N/A**LD<sub>50</sub> SPECIES & ROUTE:** N/A

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

N/A = Not Applicable,

**SECTION III: PHYSICAL/CHEMICAL DATA****APPEARANCE:** Pale yellow**pH:** 4.8 ± 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:** 97 ± 0.5%**VAPOR PRESSURE:** Less than water**DENSITY:** 8.5 lb per gal @ 68°F

1.0 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.

Polymer can burn.

**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:** Irritating to skin upon repeated or  
prolonged contact. For skin contact, wash  
affected areas with soap and water.**INHALATION:** Vapor or mist can cause irritation  
of the eyes, nose, throat and lungs. For  
overexposure, move subject to fresh air.**INGESTION:** Irritation to mouth, esophagus  
and stomach. If ingested, drink several  
glasses of water and 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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arising 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®*

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