

ECLIPSE® 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).

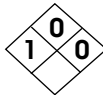
Note: Eclipse Porous Surface Treatment is ready to use. Do NOT dilute.

ECLIPSE POROUS SURFACE TREATMENT

LAST REVISION DATE: 11/26/07
MANUFACTURER: Amano 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 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
LD₅₀ 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 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

