

ENVIROSTAR GREEN FLOOR COATING

LAST REVISION DATE: 12/09/08
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: EnviroStar Green® Floor
 Coating
PRODUCT #: 113
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: INGREDIENTS

INGREDIENT: Water
CAS#: 7732-18-5
%: 45-50
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: N/E

INGREDIENT: Aqueous Acrylic Emulsion
CAS#: N/E
%: 40-45
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: N/E

INGREDIENT: Dipropylene glycol methyl ether
CAS#: 34590-94-8
%: 2-5
OSHA PEL: 100 ppm (TWA) (skin)
ACGIH TLV: 100 ppm, 8 HRS (TWA) 150 ppm
 (STEL)
LD₅₀ SPECIES & ROUTE: 5.35 g/kg rat, oral

INGREDIENT: Tributoxyl ethyl phosphate
CAS#: 78-51-3
%: 2-5
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 3 g/kg rat, oral

INGREDIENT: Polyethylene emulsion
CAS#: N/E
%: 1-3
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: N/E

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

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE: Milky white
PHYSICAL STATE: Liquid
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: 79-81%
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 AG
GRAVATED 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
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 the manufacturer or others. The information in
 this data sheet has been assembled by the
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 vendee, the vendee's employees or anyone for
 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®

PRODUCT DATA

ENVIROSTAR GREEN® FLOOR COATING

ADVANCED FORMULATION CONTAINING

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

FEATURES

- Extremely durable
- Easy to maintain
- Initial wet-look shine without burnishing
- Classified by UL as to slip resistance only



Recognized for Safer Chemistry
www.epa.gov/dfe



This product meets the Green Seal™ environmental standard for industrial and institutional floor-care products based on its reduced human and aquatic toxicity and reduced smog production potential.



Floor Coating and Finishing materials
as to slip resistance only 42E6



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:	Faintly acetic (non ammoniated)
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)
Slip Resistance:	Meets ASTM D2047-99 requirements. Classified by UL as to slip resistance only.
Drying time:	Approximately 30 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. Mix thoroughly before using.

ORDERING INFORMATION

Product #113FS:	2 x 2.50 gallon per case (2 x 9.5 liter)
Product #113MP:	4 x 1.06 gallon per case (4 x 4 liter)

DIRECTIONS FOR USE: INITIAL APPLICATION

1. Remove old coating and sealer with a recommended Amano Pioneer Eclipse Floor Stripper following label directions. For optimum results, use an Amano Pioneer Eclipse automatic scrubber or stripping machine with recommended Amano Pioneer Eclipse pads or brushes.
2. Use a clean mop or automatic scrubber to rinse the floor twice using EnviroStar Green All Purpose Cleaner. Rinse floor again with clean, cold water and allow to dry.
3. **OPTIONAL:** Apply 2 thin coats of EnviroStar Green Floor Sealer to protect high-traffic areas and old or porous floors.
4. Apply 4-6 coats of EnviroStar Green Floor Coating with a clean, synthetic mop.
NOTE: Do not exceed an initial application of a combined 6 coats of coating and sealer.
5. Allow floor to dry thoroughly between coats and prior to burnishing.
NOTE: To avoid possible contamination, do not pour unused product from bucket back into original container.

DIRECTIONS FOR USE: ROUTINE MAINTENANCE

1. Sweep floor daily with an untreated dust mop.
2. Mop or use an automatic scrubber as necessary with EnviroStar Green All Purpose Cleaner following label directions.
3. Restore as needed with EnviroStar Green Floor Maintainer.
4. Burnish as desired with recommended Amano Pioneer Eclipse machine and pad.
5. As needed, perform a deep scrub and recoat applying an additional 1-2 coats of EnviroStar Green Floor Coating.
6. Allow floor to dry thoroughly between coats and prior to burnishing.
7. When stripping is necessary, remove EnviroStar Green Floor Coating with EnviroStar Green Floor Stripper.