

## ENVIROSTAR GREEN® FLOOR MAINTAINER

### ADVANCED FORMULATION CONTAINING

- NO phosphates
- NO 2-butoxyethanol (butyl)
- NO VOC's
- NO alkyl phenol ethoxylate surfactants
- NO environmentally toxic preservatives
- NO added fragrances

### FEATURES

- Autoscrubber or mop-on application
- Cleaner and maintainer in one
- Concentrated for economical use
- Classified by UL as to slip resistance only



Recognized for Safer Chemistry  
[www.epa.gov/dfe](http://www.epa.gov/dfe)

### RECOMMENDED FLOOR SURFACES

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

### PRODUCT DATA

Description:	Water based floor coating maintainer
Appearance:	Light green liquid
Fragrance:	None added
Slip Resistance:	Meets ASTM D2047-99 requirements. Classified by UL as to slip resistance only.
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
pH (undiluted):	9.2 ± 0.5, ASTM E70-97
pH (1:64):	8.4 ± 0.5, ASTM E70-97
pH (1:128):	8.0 ± 0.5, ASTM E70-97
Drying Time:	Approximately 15 minutes (diluted)
Density:	8.7 lb per gal @ 68° 1.04 kg per liter @ 20°C
Freeze/Thaw:	Passes 3 cycles ASTM D3209-93 (1998)
Shelf Life:	2 years, 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 #213D: 4 x 1.06 gallon per case (4 x 4 liter)

### DIRECTIONS FOR USE: AUTOSCRUBBER APPLICATION

1. Sweep floor with an untreated dust mop to remove loose dirt.
2. Dilute EnviroStar Green Maintainer in autoscrubber per the following dilution ratio:  
1:64 2 US oz per gal water (80 ml per 5 liters water)
3. Using a red cleaning pad, scrub and pick up the solution in one pass.
4. Allow floor to dry thoroughly.
5. Burnish with recommended Amano Pioneer Eclipse burnisher and pad.

### DIRECTIONS FOR USE: MOP ON APPLICATION

1. Sweep floor with an untreated dust mop to remove loose dirt.
2. Dilute EnviroStar Green Maintainer in mop bucket per the following dilution ratio:  
1:128 1 US oz per gal water (40 ml per 5 liters water)
3. Damp mop floor.
4. Allow floor to dry thoroughly.
5. Burnish with recommended Amano Pioneer Eclipse burnisher and pad.

# ENVIROSTAR GREEN FLOOR MAINTAINER

**LAST REVISION DATE:** 12/5/07  
**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.

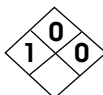
**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Light green liquid  
**pH:** 9.2 ± 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:** 75-77%  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 8.7 lb per gal @ 68°F  
 1.04 kg per liter @ 20°C  
**SOLUBILITY IN WATER:** Miscible

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 I: GENERAL INFORMATION**

**PRODUCT NAME:** EnviroStar Green® Floor Maintainer  
**PRODUCT #:** 213D  
**PRODUCT TYPE:** Water based floor maintainer  
**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 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 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 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 II: INGREDIENTS**

**INGREDIENT:** Water  
**CAS#:** 7732-18-5  
**%:** 75-77  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** N/E

**INGREDIENT:** Polyoxyethylene  
**CAS#:** 25322-68-3  
**%:** 10-15  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 730 g/kg rat, oral

**INGREDIENT:** Biodegradable Non-ionic Surfactant

**CAS#:** 68439-46-3  
**%:** 5-10  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 1.4 mg/kg rat, oral

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

**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 IX: SPECIAL PRECAUTIONS**

**HANDLING AND STORAGE:**  
 Storage temperature (MAX. 60°C / 140°F)  
 (MIN. 1°C / 34°F)  
**OTHER PRECAUTIONS:** Avoid freezing. If frozen allow to return to room temperature slowly. Mix thoroughly before using.

**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\*\*

**SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES**

**SMALL SPILLS:** Absorb spill with inert material (e.g. sand, earth).  
**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

