

## ENVIROSTAR GREEN® ALL PURPOSE NEUTRALIZER

Concentrated "green" neutralizing solution developed for use on resilient tile and all types of stone flooring

### 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

- Increases adhesion of coatings to floors where alkalinity is a problem
- Concentrated for economical use
- Easy application
- Totally biodegradable



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

### RECOMMENDED FLOOR SURFACES

Resilient tile and most hard floors (stone, concrete) where excessive alkalinity may cause adhesion problems. Caution: Use on some polished stone floors (marble, travertine, etc.) may result in etching and loss of gloss.

**NOTE:** Test on an inconspicuous area first for any etching effect.

Description:	All Purpose Neutralizer
Appearance:	Clear, colorless
Fragrance:	None added
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
pH (undiluted):	2.2 ± 0.5 ASTM E70-97
Density:	8.7 lb per gal @ 68°F 1.05 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 reach of children. Keep container sealed when not in use. Avoid freezing. If frozen, allow to return to room temperature slowly and mix thoroughly before using.

### ORDERING INFORMATION

Product #338FS:	2 x 2.64 gallon per case (2 x 10 liter)
Product #338MP:	4 x 1.06 gallon per case (4 x 4 liter)

### DIRECTIONS FOR USE

1. Strip floor with recommended Amano Pioneer Eclipse stripper following label directions.

2. Mix EnviroStar Green All Purpose Neutralizer in mop bucket or autoscrubber according to the following dilution ratios:

#### Resilient tile

1:64 2 US oz per gal water (80 ml per 5 liters water)

#### Hard Floors

1:10 13 US oz per gal water (500 ml per 5 liters water)

3. Apply liberally to floor and allow to soak for 10 minutes. Pick up residue with autoscrubber.
4. Using autoscrubber, flood rinse floor with clean, cold water. Pick up residue with autoscrubber.
5. Mop rinse floor with clean, cold water.
6. Allow to dry.

# ENVIROSTAR GREEN ALL PURPOSE NEUTRALIZER

**LAST REVISION DATE:** 11/15/07  
**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.

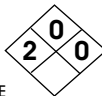
**SECTION I: GENERAL INFORMATION**

**PRODUCT NAME:** EnviroStar Green® All Purpose  
 Neutralizer  
**PRODUCT #:** 338  
**PRODUCT TYPE:** All purpose neutralizer  
**PRECAUTIONS:** Possible skin and eye irritant.  
 Keep container sealed when not in use. Keep out  
 of reach of children.

**HEALTH:** 2  
**FLAMMABILITY:** 0  
**REACTIVITY:** 0

**NFPA HAZARD RATINGS**

4-EXTREME 3-HIGH 2-MODERATE  
 1-SLIGHT 0-INSIGNIFICANT



**SECTION II: INGREDIENTS**

**INGREDIENT:** Water  
**CAS#:** 7732-18-5  
**%:** 70-85  
**OSHA PEL:** N/A  
**ACGIH TLV:** N/A  
**LD<sub>50</sub> SPECIES & ROUTE:** N/A  
**INGREDIENT:** Citric Acid  
**CAS#:** 77-92-9  
**%:** 10-15  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 11,700 mg/kg rat, oral  
**INGREDIENT:** Biodegradable Anionic Surfactant  
**CAS#:** 5324-84-5  
**%:** 5-10  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** >5,000 mg/kg rat, oral

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

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Clear, colorless  
**PHYSICAL STATE:** Liquid  
**pH:** 2.2 ± 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:** 89 ± 0.5 %  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 8.7 lb per gal @ 68°F  
 1.05 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:** 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 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**

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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).

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 DO NOT DISCARD\*\*\*  
 \*\*PLEASE ROUTE TO COMPANY SAFETY  
 OFFICER\*\*

