

## 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 or dyes

### FEATURES

- Automatic Scrubber 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

### RECOMMENDED FLOOR SURFACES

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

### PRODUCT DATA

Description:	Water based floor coating maintainer
Appearance:	Clear colorless 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):	9.20 ± 0.5, ASTM E70-97
pH (1:128):	8.21 ± 0.5, ASTM E70-97
pH (1:256):	7.88 ± 0.5, ASTM E70-97
Drying Time:	Approximately 15 minutes (diluted)
Density:	8.9 lb per gal @ 68°F 1.07 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. Mix thoroughly before using.

### ORDERING INFORMATION

Product #213DD: 3 x 64 US oz per case (3 x 1.9 liters)

### DIRECTIONS FOR USE: AUTOMATIC SCRUBBER APPLICATION

1. Dust mop floor with mop treated with EnviroStar Green Dust Mop Treatment or with an untreated dust mop to remove loose dirt.
2. Dilute EnviroStar Green Maintainer in automatic scrubber per the following dilution ratio:  
1:128 1 US oz. per gallon of cold tap water  
(40 ml. per 5 liters of cold tap 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. Dust mop floor with mop treated with EnviroStar Green Dust Mop Treatment or with an untreated dust mop to remove loose dirt.
2. Dilute EnviroStar Green Maintainer in mop bucket per the following dilution ratio:  
1:256 0.5 US oz. per gallon of cold tap water  
(20 ml. per 5 liters of cold tap water)
3. Damp mop floor.
4. Allow floor to dry thoroughly.
5. Burnish with recommended Amano Pioneer Eclipse burnisher and pad.

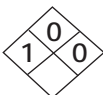
# ENVIROSTAR GREEN FLOOR MAINTAINER

LAST REVISION DATE: 07/17/09  
**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  
 Maintainer  
**PRODUCT #:** 213DD  
**PRODUCT TYPE:** Water based floor coating  
 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 II: INGREDIENTS**

**INGREDIENT:** Water  
**CAS#:** 7732-18-5  
**%:** 46%  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** N/E

**INGREDIENT:** Polyoxyethylene  
**CAS#:** 25322-68-3  
**%:** 28%  
**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  
**%:** 14%  
**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 III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Clear colorless liquid  
**pH:** 9.20 ± 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:** 46-50%  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 8.9 lb per gal @ 68°F  
 1.07 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:** Slight irritant. Hold eye open and flush  
 with water for 15 minutes. See physician if  
 irritation persists.  
**SKIN:** Irritating upon repeated or prolonged  
 contact. Wash with soap and water.  
**INHALATION:** May cause headache, nausea and  
 irritation of eyes, nose, throat and lungs. Move  
 to fresh air.  
**INGESTION:** Irritating to mouth, esophagus and  
 stomach. Drink several glasses of water and  
 induce vomiting. Seek medical attention.

**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  
 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:** 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\*\*



## ENVIROSTAR GREEN® ALL PURPOSE CLEANER

### 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

- Easy-to-use cleaner formulated for daily use
- Low and fast breaking foam
- Neutral pH
- Concentrated for economical use



Recognized for Safer Chemistry  
www.epa.gov/dfe



### RECOMMENDED SURFACES

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

### PRODUCT DATA

Description:	Low foaming all purpose cleaner
Appearance:	Clear colorless liquid
Fragrance:	None added
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
pH (undiluted):	7.00 ± 0.5 ASTM E70-97
pH (diluted 1:256):	7.26 ± 0.5 ASTM E70-97
pH (diluted 1:512):	7.15 ± 0.5 ASTM E70-97
pH (diluted 1:1024):	7.13 ± 0.5 ASTM E70-97
Density:	8.4 lb per gal @ 68°F 1.00 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 #330DD: 3 x 64 US oz per case (3 x 1.9 liters)

### DIRECTIONS FOR USE: ROUTINE MAINTENANCE

1. Dust mop floor with mop treated with EnviroStar Green Dust Mop Treatment or with an untreated mop.
2. Mix EnviroStar Green All Purpose Cleaner in mop bucket or automatic scrubber per the following dilution ratios:

#### Light Cleaning

1:1024 0.125 US oz. per gal of cold water (5 ml. per 5 liters of water)

#### Medium Cleaning

1:512 0.25 US oz. per gal of cold water (10 ml. per 5 liters of water)

#### Heavy Cleaning

1:256 0.5 US oz. per gal of cold water (20 ml. per 5 liters of water)

3. Damp mop or scrub floor with Amano Pioneer Eclipse light cleaning pad.

### DIRECTIONS FOR USE: DEEP SCRUB MAINTENANCE

1. Dust mop floor with mop treated with EnviroStar Green Dust Mop Treatment or with an untreated mop.
2. Mix EnviroStar Green All Purpose Cleaner in mop bucket or automatic scrubber per the "Heavy Cleaning" dilution above.
3. Wet mop or scrub with an Amano Pioneer Eclipse deep scrub pad. Rinse floor with clean cold water and allow to dry.
4. Recoat with EnviroStar Green Floor Coating.

**NOTE:** EnviroStar Green All Purpose Cleaner is an effective all-purpose neutral pH cleaner for any washable surface.

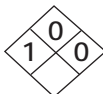
# ENVIROSTAR GREEN ALL PURPOSE CLEANER

LAST REVISION DATE: 07/17/09  
 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  
 Cleaner  
**PRODUCT #:** 330DD  
**PRODUCT TYPE:** Low foaming all purpose cleaner  
**PRECAUTIONS:** Possible skin and eye irritant.  
 Keep container sealed when not in use. Keep out  
 of reach of children.  
**HEALTH:** 1  
**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  
**%:** 60  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** N/E  
**INGREDIENT:** Biodegradable Nonionic Surfactant

**CAS#:** 68439-46-3  
**%:** 40  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 0.004 g/kg rat, oral

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

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Clear colorless liquid  
**pH:** 7.00 ± 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:** 60%  
**VAPOR PRESSURE (mm Hg):** N/E  
**DENSITY:** 8.4 lb per gal @ 68°F  
 1.00 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:**  
 None

**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**  
**AGGRAVATED BY OVEREXPOSURE:** Prolonged or  
 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:** 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  
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 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).

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## ECLIPSE® NEUTRAL ALL PURPOSE CLEANER

Low pH, all-purpose daily floor cleaner removes dirt and soil without harming the shine. May be used on all washable surfaces.

### FEATURES

- Concentrated for economical use
- Low foaming – easily applied with mop, sponge or automatic scrubber
- Effective cleaner for deep scrubbing
- Excellent cleaner for use after stripping or deep scrubbing to neutralize the floor surface
- Pleasant light, lemon fragrance



### RECOMMENDED FLOOR SURFACES

All washable surfaces; all resilient tile flooring, linoleum, terrazzo, marble and quarry tile and treated wood floors.

### PRODUCT DATA

Description:	All-purpose synthetic water-based cleaner
Appearance:	Pink viscous liquid
Fragrance:	Slight lemon
Viscosity (Brookfield):	200 ± 50 centipoise @ 68°F (20°C)
pH:	9.00 ± 0.5 ASTM E70-97
pH @ 1:128:	8.92 ± 0.5 ASTM E70-97
pH @ 1:256:	8.87 ± 0.5 ASTM E70-97
pH @ 1:512:	8.77 ± 0.5 ASTM E70-97
Flash Point:	None
Shelf Life:	2 years, ASTM D1791-93 (1998)
Density:	8.7 lb per gal @ 68°F 1.04 kg per liter @ 20°C
Freeze/Thaw:	Passes 3 cycles ASTM D3209-93 (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 #301DD: 3 x 64 US oz per case (3 x 1.9 liters)

### DIRECTIONS FOR USE: ROUTINE MAINTENANCE

1. Dust mop floor with mop treated with EnviroStar Green® Dust Mop Treatment or with an untreated mop.
2. Mix Eclipse Neutral All Purpose Cleaner in mop bucket or automatic scrubber per the following dilution ratios:
  - Light Cleaning** 0.25 US oz. per gallon of cold tap water (10 ml. per 5 liters of water) 1:512
  - Medium Cleaning** 0.50 US oz. per gallon of cold tap water (20 ml. per 5 liters of water) 1:256
  - Heavy Cleaning** 1.0 US oz. per gallon of cold tap water (40 ml. per 5 liters of water) 1:128
3. Damp mop or scrub floor with Amano Pioneer Eclipse light cleaning pad.

### DIRECTIONS FOR USE: DEEP SCRUB MAINTENANCE

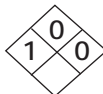
1. Dust mop floor with mop treated with EnviroStar Green Dust Mop Treatment or with an untreated mop.
2. Mix Eclipse Neutral All Purpose Cleaner in mop bucket or automatic scrubber per the "Heavy Cleaning" dilution above.
3. Wet mop or scrub with an Amano Pioneer Eclipse deep scrub pad. Rinse floor with clean cold water and allow to dry.
4. Recoat with recommended Amano Pioneer Eclipse floor coating.

# ECLIPSE NEUTRAL ALL PURPOSE CLEANER

LAST REVISION DATE: 07/17/09  
 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® Neutral  
 All Purpose Cleaner  
 PRODUCT #: 301DD  
 PRODUCT TYPE: All-purpose synthetic  
 water-based cleaner  
 PRECAUTIONS: Possible skin and eye irritant.  
 Keep container sealed when not in use. Keep out  
 of reach of children.  
 HEALTH: 1  
 FLAMMABILITY: 0  
 REACTIVITY: 0  
 NFPA HAZARD RATINGS  
 4-EXTREME 3-HIGH 2-MODERATE  
 1-SLIGHT 0-INSIGNIFICANT



**SECTION II: HAZARDOUS INGREDIENTS**

INGREDIENT: Anionic/nonionic surfactants  
 CAS #: N/A  
 %: 20 %  
 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: Pink viscous liquid  
 PHYSICAL STATE: Liquid  
 pH: 9.00 ± 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: 72-76%  
 VAPOR PRESSURE: Less than water  
 DENSITY: 8.7 lb per gal @ 68°F  
 1.04 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  
 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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## ENVIROSTAR GREEN® ULTRA ALL PURPOSE CLEANER

All-purpose daily floor cleaner removes dirt and soil without harming the shine. May be used on all washable surfaces.

### FEATURES

- Concentrated for economical use
- Low foaming – easily applied with mop, sponge or automatic scrubber
- Effective cleaner for deep scrubbing



Recognized for Safer Chemistry  
www.epa.gov/dfe



### RECOMMENDED FLOOR SURFACES

All washable surfaces; all resilient tile flooring, linoleum, terrazzo, marble and quarry tile and treated wood floors.

### PRODUCT DATA

Description:	All-purpose synthetic water-based cleaner
Appearance:	Blue viscous liquid
pH (undiluted):	10.50 ± 0.5 ASTM E70-97
pH (1:256):	8.43 ± 0.5 ASTM E70-97
pH (1:512):	8.02 ± 0.5 ASTM E70-97
pH (1:1024):	7.64 ± 0.5 ASTM E70-97
Flash Point:	None
Shelf Life:	1 year, ASTM D1791-93 (1998)
Density:	8.5 lb per gal @ 68°F 1.024 kg per liter @ 20°C
Freeze/Thaw:	Passes 3 cycles ASTM D3209-93 (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 #339DD: 3 x 64 US oz per case (3 x 1.9 liters)

### DIRECTIONS FOR USE: ROUTINE MAINTENANCE

1. Dust mop floor with mop treated with EnviroStar Green® Dust Mop Treatment or with an untreated mop.
2. Mix EnviroStar Green Ultra All Purpose Cleaner in mop bucket or automatic scrubber per the following dilution ratios:

#### Light Cleaning

1:1024 0.125 US oz. per gal of cold water (5 ml. per 5 liters of water)

#### Medium Cleaning

1:512 0.25 US oz. per gal of cold water (10 ml. per 5 liters of water)

#### Heavy Cleaning

1:256 0.5 US oz. per gal of cold water (20 ml. per 5 liters of water)

3. Damp mop or scrub floor with Amano Pioneer Eclipse light cleaning pad.

### DIRECTIONS FOR USE: DEEP SCRUB MAINTENANCE

1. Dust mop floor with mop treated with EnviroStar Green Dust Mop Treatment or with an untreated mop.
2. Mix EnviroStar Green Ultra All Purpose Cleaner in mop bucket or automatic scrubber per the "Heavy Cleaning" dilution above.
3. Wet mop or scrub with an Amano Pioneer Eclipse deep scrub pad. Rinse floor with clean cold water and allow to dry.
4. Recoat with recommended Amano Pioneer Eclipse floor coating.

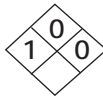
**NOTE:** EnviroStar Green Ultra All Purpose Cleaner is an effective all-purpose cleaner for any washable surface.

# ENVIROSTAR GREEN ULTRA ALL PURPOSE CLEANER

LAST REVISION DATE: 07/17/09  
 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® Ultra  
 All Purpose Cleaner  
**PRODUCT #:** 339DD  
**PRODUCT TYPE:** All-purpose synthetic  
 water-based cleaner  
**PRECAUTIONS:** Possible skin and eye irritant.  
 Keep container sealed when not in use. Keep out  
 of reach of children.  
**HEALTH:** 1  
**FLAMMABILITY:** 0  
**REACTIVITY:** 0  
**NFPA HAZARD RATINGS**



**SECTION II: HAZARDOUS INGREDIENTS**

**INGREDIENT:** Water  
**CAS #:** 7732-18-5  
**%:** 60  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** N/E

**INGREDIENT:** Sodium Iminodisuccinate  
**CAS #:** 144538-83-0  
**%:** 1.7  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** N/E

**INGREDIENT:** Biodegradable Nonionic Surfactant  
**CAS #:** 68439-46-3  
**%:** 35  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** N/E

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

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Blue viscous liquid  
**PHYSICAL STATE:** Liquid  
**pH:** 10.50 ± 0.1  
**BOILING POINT:** 100°C / 212°F  
**EVAPORATION RATE:** Less than water  
**FREEZING POINT:** 0°C / 32°F  
**VAPOR DENSITY:** Less than air  
**VOLATILE BY WEIGHT:** 92-94%  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 8.5 lb per gal @ 68°F  
 1.024 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**  
**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.

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