

POWERSTAR® 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



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.

RECOMMENDED SURFACES

For use on concrete, terrazzo, marble, stone, and resilient floors.

NOTE: Test floor for color fastness in an inconspicuous area.

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):	7.0 ± 0.5 ASTM E70-97
pH (diluted 1:64):	7.0 ± 0.5 ASTM E70-97
Density:	8.4 lb per gal @ 68°F 1.0 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 #330GL5:	2 x 2.5 gallons per case (2 x 9.5 liters)
Product #330DR5:	55 gallons

DIRECTIONS FOR USE:

1. Sweep floor with treated or untreated dust mop.
2. Mix PowerStar EnviroStar Green All Purpose Cleaner in mop bucket or automatic scrubber per the following dilution ratios:

Light Cleaning

1:128 1 US oz per gal cold water

Medium Cleaning

1:64 2 US oz per gal cold water

Heavy Cleaning

1:32 4 US oz per gal cold water

3. Damp mop or scrub floor with light cleaning pad.

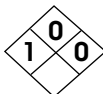
POWERSTAR ENVIROSTAR GREEN ALL PURPOSE CLEANER

LAST REVISION DATE: 11/10/09
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: PowerStar® EnviroStar Green®
 All Purpose Cleaner
PRODUCT #: 330
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
%: 91-93
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: N/E

INGREDIENT: Biodegradable Nonionic Surfactant
CAS#: 68439-46-3
%: 3-7
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ 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: 7.0 ± 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: 94-96-%
VAPOR PRESSURE (mm Hg): N/E
DENSITY: 8.4 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:
 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,
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 the manufacturer or others. The information in
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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

