

# POWERSTAR® ENVIROSTAR GREEN® LOW ODOR STRIPPER

*Extra strength floor stripper formulated to remove both GREEN and conventional zinc crosslinked floor coatings and sealers*

## FEATURES

- *Emulsifies coatings and sealers in minimum time*
- *Low odor*
- *Low foaming*
- *Non-caustic*
- *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 FLOOR SURFACES

All resilient tile, VCT, linoleum, marmoleum, terrazzo, marble, concrete, quarry tile and other hard floors. Do not use on asphalt, rubber or wood painted floors.

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

### PRODUCT DATA

|                         |   |
|-------------------------|---|
| Description:            | Low odor stripper                                   |
| Appearance:             | Clear liquid  |
| Fragrance:              | None  |
| Viscosity (Brookfield): | < 5 centipoise @ 68°F (20°C)                        |
| Flash Point:            | >200°F (93°C), ASTM method D56                      |
| Shelf Life:             | 2 years, ASTM D1791-93 (1998)                       |
| Density:                | 8.5 lb per gal at 68°F<br>1.02 kg per liter at 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. Keep from freezing. If frozen, allow product to return to room temperature slowly then mix thoroughly before using. Floors may become very slippery. Wear appropriate non-slip safety shoes. Please read the Material Safety Data Sheet before handling this product.

### ORDERING INFORMATION

|                  |   |
|------------------|---|
| Product #515GL5: | 2 x 2.5 gallons per case (2 x 9.5 liters) |
| Product #515DR5: | 55 gallons                                |

### DIRECTIONS FOR USE

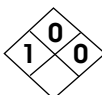
- Mix PowerStar® EnviroStar Green® Low Odor Stripper according to the following dilution ratios:
  - For most conventional zinc crosslinked coatings/sealers, dilute at 1:4 (32 US oz per gallon cold tap water or 1.25 liters per 5 liters cold tap water).
  - For most Green coatings/sealers, dilute at 1:8 (16 US oz per gallon cold tap water or 0.63 liters per 5 liters cold tap water).
  - For linoleum and marmoleum, dilute at 1:10 (13 US oz per gallon cold tap water or 0.5 liters per 5 liters cold tap water).
- Apply solution liberally to the floor and allow to soak for 15 minutes. Do not allow solution to dry on floor.
- Scrub floor with recommended Amano Pioneer Eclipse automatic scrubber or stripping machine with Amano Pioneer Eclipse pads or brushes.
- Pick up dirty solution with automatic scrubber or wet vac.
- Rinse twice with
  - PowerStar EnviroStar Green All Purpose Cleaner following label directions for resilient tile, VCT, linoleum and marmoleum floors.
  - PowerStar EnviroStar Green All Purpose Neutralizer following label directions for marble, concrete, quarry tile and other hard floors.
- Rinse floor again with clean cold tap water. Allow floor to dry thoroughly before applying sealer or coating.

# POWERSTAR ENVIROSTAR GREEN LOW ODOR STRIPPER

**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:** PowerStar® EnviroStar Green® Low Odor Stripper  
**PRODUCT #:** 515  
**PRODUCT TYPE:** Non-butyl, low odor stripper  
**PRECAUTIONS:** Severe irritant. Do not get in eyes, on skin or clothing. Avoid breathing vapor. 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:** Monoethanolamine  
**CAS#:** 141-43-5  
**%:** 1-5  
**OSHA PEL:** 3 ppm (TWA)  
**ACGIH TLV:** 6 ppm (STEL) 3 ppm (TWA)  
**LD<sub>50</sub> SPECIES & ROUTE:** 1.2 g/kg rat, oral  
**INGREDIENT:** Benzyl Alcohol  
**CAS#:** 100-51-6  
**%:** 15-20  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 1.23 g/kg rat, oral  
**INGREDIENT:** Tripropylene glycol methyl ether  
**CAS#:** 25498-49-1  
**%:** 15-20  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 3.2 g/kg rat, oral  
**INGREDIENT:** Dipropylene glycol methyl ether  
**CAS#:** 34590-94-8  
**%:** 2-5  
**OSHA PEL:** 100 ppm (TWA)  
**ACGIH TLV:** 150 ppm, (TWA) (STEW) (skin)  
**LD<sub>50</sub> SPECIES & ROUTE:** 5.35 g/kg rat, oral

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

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Clear liquid  
**PHYSICAL STATE:** Liquid  
**pH:** 10.6 ± 0.4  
**BOILING POINT:** 104°C / 220°F  
**EVAPORATION RATE:** Less than water  
**FREEZING POINT:** N/E  
**VAPOR DENSITY:** Less than air  
**VOLATILE BY WEIGHT:** 85-95%  
**VAPOR PRESSURE :** Less than water  
**DENSITY:** 8.53 lb per gal @ 68°F  
 1.02 kg per liter @ 20°C  
**SOLUBILITY IN WATER:** Miscible

**SECTION IV: FIRE AND EXPLOSION DATA**

**FLASH POINT:** >200°F (93°C) ASTM method D56  
**EXPLOSIVE LIMITS:**  
 LOWER: N/E UPPER: N/E  
**EXTINGUISHING MEDIA:** Water spray, CO<sub>2</sub>, dry chemical, alcohol-type or universal type foams.  
**SPECIAL FIRE FIGHTING PROCEDURES:**  
 Do not spray a solid stream of water or foam directly into hot liquid. This may cause frothing. Firefighters should wear NIOSH approved breathing apparatus.  
**HAZARDOUS COMBUSTIBLE PRODUCTS:** N/A  
**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 strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
 Carbon monoxide, carbon dioxide and nitrogen oxides.  
**REACTIVITY CONDITIONS:** None

**SECTION VI: HEALTH HAZARD DATA**

**EYES:** May cause burns or possible corneal damage. For eye contact, flush with a large amount of water for at least 15 minutes. See a physician immediately.  
**SKIN:** Irritation, reddening or possible damage upon repeated or prolonged contact. For skin contact, wash affected areas with soap and water. Seek medical attention if irritation persists.  
**INHALATION:** Vapor or mist can cause headache, nausea and irritation of the eyes, nose, throat and lungs. For overexposure, move subject to fresh air. Seek medical attention if symptoms persist.  
**INGESTION:** May cause nausea, abdominal discomfort, vomiting, diarrhea. If ingested, give two glasses of water or milk and do not induce vomiting. Remove by endotracheal intervention. Seek medical attention immediately.  
**CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Main hazard is due to product's severe irritant properties. Treatment should be directed at the control of symptoms and the clinical condition of the patient.  
**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:** Landfill or incinerate the contaminated solids and diking material according to local, state and federal regulations

concerning disposal of hazardous materials. Non-salvageable liquid should be drummed and turned over to a licensed hazardous waste disposal facility.

**SECTION VIII: SPECIAL PROTECTION**

**EYE PROTECTION:** Chemical splash goggles (ANSI Z87.1-1989 or approved equivalent)  
**RESPIRATORY PROTECTION:** None required when permissible airborne concentrations are not exceeded. In emergency, use approved positive pressure self-contained breathing device.  
**VENTILATION:** Mechanical local exhaust ventilation at point of contamination release  
**OTHER PROTECTIVE EQUIPMENT:** As required by employer code. Rubber boots and chemical resistant gloves recommended.

**SECTION IX: SPECIAL PRECAUTIONS**

**HANDLING AND STORAGE:**  
 Storage temperature (MAX. 60°C / 140°F) (MIN. 1°C / 34°F).  
**OTHER PRECAUTIONS:** Keep from freezing.

**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\*\*

