

## ENVIROSTAR GREEN® Extractor & Pre-Spray Cleaner

Concentrated cleaner for cold water extraction  
or spray-on application

### FEATURES

- Green formulation protects the environment
- Dual function formula for direct use in extractor or as a prespray
- Spray-on application loosens soils for effective extraction
- Compatible with most carpet types
- Fragrance free



Pioneer Eclipse EnviroStar Green Products have been formulated in Partnership with the US Environmental Protection Agency's Design for the Environment Program.

### RECOMMENDED SURFACES

Most commercial carpets and upholstery

### PRODUCT DATA

Description:	Carpet Extraction & Pre-Spray Cleaner
Appearance:	Clear, light amber liquid
Fragrance:	None added
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
pH (undiluted):	7.0 ± 0.5 ASTM E70-97
Density:	9.0 lb per gal @ 68°F 1.08 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 #831MP: 4 x 1.06 gallon per case (4 x 4 liter)

### DIRECTIONS FOR USE

#### FOR SYNTHETIC CARPET EXTRACTION:

1. Mix EnviroStar Green Extractor & Pre-Spray Cleaner in an extractor per the following dilution ratio:  
1:128 1 US oz per gal cold water (40 ml per 5 liters cold water)
2. Thoroughly extract carpet. Use Eclipse Carpet All Purpose Defoamer in recovery tank if required.
3. Groom carpet with clean carpet rake or stiff synthetic broom and allow to dry.

### DIRECTIONS FOR USE

#### AS A PRE-SPRAY:

1. Thoroughly vacuum carpet and pre-treat spots.
2. Mix EnviroStar Green Extractor & Pre-Spray Cleaner in a pump-up sprayer per the following dilution ratio:  
1:8 16 US oz per gal cold water (625 ml per 5 liters cold water)
3. Spray carpet completely, paying particular attention to traffic lanes and spots. Agitate with a carpet rake, extractor brush, shampoo brush or bonnet.
4. Allow 10-15 minutes for EnviroStar Green Extractor & Pre-Spray Cleaner to completely loosen soils. Do not allow to dry out.
5. Thoroughly extract carpet with water. Use Eclipse Carpet All Purpose Defoamer in recovery tank if required.
6. **OPTIONAL:** Thoroughly extract carpet with EnviroStar Green Extraction Rinse according to label directions. Use Eclipse Carpet All Purpose Defoamer in recovery tank if required.
7. Groom carpet with clean carpet rake or stiff synthetic broom and allow to dry.

**NOTE:** Test for colorfastness in an inconspicuous area before use.

Pioneer Eclipse®

# ENVIROSTAR GREEN EXTRACTOR & PRE-SPRAY CLEANER

**LAST REVISION DATE:** 03/21/06  
**MANUFACTURER:** Pioneer Eclipse® Corporation  
 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 Extractor &  
 Pre-Spray Cleaner  
**PRODUCT #:** 831  
**PRODUCT TYPE:** Carpet Extraction Cleaner  
**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:** Biodegradable Chelant  
**CAS #:** 144538-83-0  
**%:** 5-10  
**OSHA PEL:** N/A  
**ACGIH TLV:** N/A  
**LD<sub>50</sub> SPECIES & ROUTE:** >2,000 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

**INGREDIENT:** Biodegradable Nonionic  
 Surfactant Mixture  
**CAS #:** 68991-48-0  
**%:** 5-10  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** >2,000 mg/kg rat, oral

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

## SECTION III: PHYSICAL/CHEMICAL DATA

**APPEARANCE:** Clear, light amber  
**PHYSICAL STATE:** 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:** 80 ± 0.5 %  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 9.0 lb per gal @ 68°F  
 1.08 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:** 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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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\*\*

Pioneer Eclipse