

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



Recognized for Safer Chemistry
www.epa.gov/dfe

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.

ENVIROSTAR GREEN EXTRACTOR & PRE-SPRAY CLEANER

LAST REVISION DATE: 11/14/07
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.

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

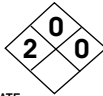
WASTE DISPOSAL: Dispose of as waste material in accordance with local, state, and federal regulations.

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 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 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 II: INGREDIENTS

INGREDIENT: Water
CAS #: 7732-18-5
%: 60-70
OSHA PEL: N/A
ACGIH TLV: N/A
LD₅₀ SPECIES & ROUTE: N/A

INGREDIENT: Biodegradable Chelant
CAS #: 144538-83-0
%: 5-10
OSHA PEL: N/A
ACGIH TLV: N/A
LD₅₀ SPECIES & ROUTE: >2,000 mg/kg rat, oral

INGREDIENT: Biodegradable Anionic Surfactant
CAS #: 5324-84-5
%: 15-20
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ 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
LD₅₀ 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

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.

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

