

ENVIROSTAR GREEN® Soil Release Bonnet Buff

Concentrated cleaner that effectively loosens tough soils

FEATURES

- Green formulation protects environment
- Easy spray-on application
- 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

PRODUCT DATA

Description:	Waterbased Carpet Bonnet Cleaner
Appearance:	Clear, light straw
Fragrance:	None Added
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
pH (undiluted):	8.7 ± 0.5 ASTM E70-77
Density:	8.6 lb per gal @ 68°F 1.04 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 #835MP: 4 x 1.06 gallon per case (4 x 4 liter)

DIRECTIONS FOR USE:

Vacuum carpet thoroughly and pre-treat spots prior to cleaning.

For use as pretreatment:

1. Mix EnviroStar Green Soil Release Bonnet Buff per the following dilution ratio:
1:32 4 US oz per gal cold water (160 ml per 5 liters cold water)
2. Spray solution on carpet.
3. Clean with dry or lightly sprayed bonnet under rotary floor machine using circular motions. For bonnet scrubbing, soak bonnet in bucket of EnviroStar Green Soil Release Bonnet Buff solution and wring out thoroughly before cleaning.
4. Groom carpet with clean carpet rake or stiff synthetic broom. Allow to dry.

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

Pioneer Eclipse®

ENVIROSTAR GREEN SOIL RELEASE BONNET BUFF

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® Soil
 Release Bonnet Buff
PRODUCT #: 835
PRODUCT TYPE: Waterbased Carpet Bonnet
 Cleaner
PRECAUTIONS: Possible skin and eye irritant.
 Keep container sealed when not in use. Keep out
 of reach of children.

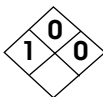
HEALTH: 1

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
 %: 60-70
OSHA PEL: N/A
ACGIH TLV: N/A
LD₅₀ SPECIES & ROUTE: N/A
INGREDIENT: Glycol Ether
CAS #: 29911-28-2
 %: 15-20
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 3.7 g/kg rat, oral
INGREDIENT: Biodegradable Anionic Surfactant
CAS #: 151-21-3
 %: 5-10
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 1.29 g/kg rat, oral
INGREDIENT: Acrylate Copolymer
CAS #: 25035-81-8
 %: 5-10
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: >2,000 mg/kg rat, oral
INGREDIENT: Biodegradable Anionic Hydrotrope
CAS #: 1300-72-7
 %: 1-3
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 650 mg/kg rat, oral
 N/E = Not Established, N/L = Not Listed,
 N/A = Not Applicable

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE: Clear, light straw
PHYSICAL STATE: Liquid
pH: 8.7 ± 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: 84 ± 0.5 %
VAPOR PRESSURE: Less than water
DENSITY: 8.6 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 regulation.

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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 contained herein grants or extends any license,
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 (29CFR1910.1200).

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 DO NOT DISCARD***
 **PLEASE ROUTE TO COMPANY SAFETY
 OFFICER**

Pioneer Eclipse