

ENVIROSTAR GREEN® SPRAY & WIPE DEGREASER

Powerful, heavy duty all purpose degreaser

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

- Powerful, super fast degreaser
- Cleans grease, oils, lipsticks, crayons, etc.
- Concentrated for economical use



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



This product meets Green Seal's environmental standard for industrial and institutional cleaners based on its reduced human and aquatic toxicity and reduced smog production potential.



RECOMMENDED SURFACES

Before EnviroStar Green Spray & Wipe Degreaser is used, test surface to be cleaned in an inconspicuous area for color fastness and surface compatibility.

PRODUCT DATA

Description:	Spray & Wipe Degreaser
Appearance:	Clear pink liquid
Fragrance:	None Added
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
pH (undiluted):	10.5 ± 0.5 ASTM E70-97
Density:	8.9 lb per gal @ 68°F 1.06 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 #332D: 4 x 1.06 gallon per case (4 x 4 liters)

DIRECTIONS FOR USE: GENERAL CLEANING:

1. Mix EnviroStar Green Spray & Wipe Degreaser per the following dilution ratio:
 1:8 16 US oz per gallon cold water
 1:8 4 US oz per quart cold water
 1:8 125 ml per liter cold water
2. Spray and wipe. No rinse needed.

ENVIROSTAR GREEN SPRAY & WIPE DEGREASER

LAST REVISION DATE: 03/22/06
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® Spray &
 Wipe Degreaser
PRODUCT #: 332D
DESCRIPTION: Spray & Wipe Degreaser
PRECAUTIONS: Possible skin and eye irritant.
 Keep container sealed when not in use. Keep out
 of reach of children.

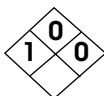
HEALTH: 1

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
%: 63-74
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: N/E

INGREDIENT: Biodegradable Anionic Hydrotrope
CAS#: 1300-72-7
%: 10-15
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 650 mg/kg rat, oral

INGREDIENT: Glycol Ether
CAS#: 29911-28-2
%: 15-20
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 3.70 g/kg rat, oral

INGREDIENT: Potassium Citrate
CAS#: 866-84-2
%: 3-5
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: >N/A

INGREDIENT: Biodegradable Nonionic Surfactant
CAS#: 68439-46-3
%: 0.5-1.0
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 0.0014 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: 10.5 ± 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: 84-86%
VAPOR PRESSURE: Less than water
DENSITY: 8.9 lb per gal @ 68°F
 1.06 kg per liter @ 20°C
SOLUBILITY IN WATER: Miscible

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: >200°F, TCC (93°C)
EXPLOSIVE LIMITS:
 LOWER: N/E UPPER: N/E
EXTINGUISHING MEDIA: Water spray, CO₂, dry
 chemical, alcohol-type or universal type
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: N/A

SECTION V: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY (MATERIALS TO AVOID):
 Strong acids and bases
HAZARDOUS DECOMPOSITION PRODUCTS: None
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, rinse with
 a large amount of water.
INHALATION: Spray mist can cause irritation of
 the eyes, nose, throat and lungs. For
 overexposure, move subject to fresh air.
INGESTION: Irritation to mouth, esophagus
 and stomach. 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: 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: 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,
 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

Pioneer Eclipse®

LTPD332D-03/06