

ECLIPSE® CLEANER/DEGREASER

An all-purpose cleaner/degreaser designed to remove dirt, soil, grease and oil without harming the shine. Excellent for use prior to recoating for removal of tough grease and oily areas.

FEATURES

- Concentrated for economical use
- Excellent for scrubbing
- Effective on any washable surface
- Pleasant fragrance



RECOMMENDED FLOOR SURFACES

All resilient tile flooring, linoleum, terrazzo, marble and quarry tile

PRODUCT DATA

Description:	All-purpose cleaner/degreaser
Appearance:	Blue clear liquid
Fragrance:	Fresh Scent
Viscosity (Brookfield):	< 15 centipoise @ 68°F (20°C)
pH @ 1:42:	8.5 ± 0.5 ASTM E70
Flash Point:	None
Shelf Life:	2 years, ASTM D1791-93 (1998)
Density:	8.9 lb per gal at 68°F 1.07 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. Avoid freezing. If frozen, allow to return to room temperature slowly and mix thoroughly before using.

ORDERING INFORMATION

Product #303:	2 x 2.64 gallon per case (2 x 10 liter)
Product #303MP:	4 x 1.06 gallon per case (4 x 4 liter)

DIRECTIONS FOR USE:

1. Sweep floor daily with a mop treated with Eclipse Dust Mop Treatment or with an untreated dust mop.
2. Mix Eclipse Cleaner/Degreaser in mop bucket or autoscrubber per the following dilution ratios:

Light Cleaning

1:42 3 US oz per gallon water (120 ml per 5 liters water)

Heavy Cleaning

1:21 6 US oz per gallon water (240 ml per 5 liters water)

3. Damp mop or autoscrub floor with recommended Pioneer Eclipse pad depending on degree of dirt build-up.

NOTE: Eclipse Cleaner/Degreaser is an effective all-purpose cleaner for any washable surface.

Pioneer Eclipse®

ECLIPSE CLEANER/DEGREASER**LAST REVISION DATE:** 07/07/03

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 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.

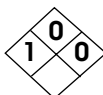
SECTION VIII: SPECIAL PROTECTION

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 I: GENERAL INFORMATION

PRODUCT NAME: Eclipse Cleaner/Degreaser
PRODUCT #: 303
PRODUCT TYPE: All-purpose aqueous based emulsifier
PRECAUTIONS: Possible skin and eye irritant. Keep container sealed when not in use. Keep out of reach of children.
FLAMMABILITY: 0
REACTIVITY: 0
HEALTH: 1
NFPA HAZARD RATINGS
 4-EXTREME 3-HIGH 2-MODERATE
 1-SLIGHT 0-INSIGNIFICANT

**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 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: HAZARDOUS INGREDIENTS

INGREDIENT: Hexylene glycol
CAS#: 107-41-5
%: 1-5
OSHA PEL: 25 ppm (CEIL) 125 mg/m3 (CEIL)
ACGIH TLV: 25 ppm (CEIL) 125 mg/m3 (CEIL)
LD 50 SPECIES & ROUTE: 4.7 g/kg rat, oral

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

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE: Blue clear liquid
PHYSICAL STATE: Liquid
pH: 8.3 ± 0.5
BOILING POINT: 100°C / 212°F
EVAPORATION RATE: Less than water
FREEZING POINT: 0°C / 32°F
VAPOR DENSITY: Less than air
VOLATILE BY WEIGHT: 86-88%
VAPOR PRESSURE: Less than water
DENSITY: 8.9 lb per gal at 68°F
 1.07 kg per liter at 20°C
SOLUBILITY IN WATER: Complete

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 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®