

ILLUMINATE® MAINTAINER

Formulated for autoscrubber application, it helps to remove dirt, grime and restore a brilliant wet-look shine.

FEATURES

- *Lowers overall maintenance cost by reducing the frequency of recoating cycles*
- *Concentrated for economical use*
- *Detergent added to enhance dirt removal*
- *Will not build up, yellow or darken coating*
- *Pleasant fragrance*
- *Classified by UL as to slip resistance only*



RECOMMENDED FLOOR SURFACES

All resilient tile flooring and most types of terrazzo, marble and quarry tile

PRODUCT DATA

Description:	Acrylic co-polymer emulsion
Appearance:	Light blue liquid
Fragrance:	Clean and fresh
Non-Volatile Solids:	6.0 ± 0.5%, ASTM D2834-95 (2001)
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
Slip Resistance:	Meets ASTM D2047-99 requirements Classified by UL as to slip resistance only.
Drying time:	15 minutes
Shelf Life:	1 year, ASTM D1791-93 (1998)
Density:	8.5 lb per gal @ 68°F 1.02 kg per liter @ 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 #206:	2 x 2.64 gallon per case (2 x 10 liters)
Product #206MP:	4 x 1.06 gallon per case (4 x 4 liters)

DIRECTIONS FOR USE:

AUTOSCRUBBER OR MOP ON APPLICATION

1. Sweep floor with mop treated with EnviroStar Green® Dust Mop Treatment or with an untreated dust mop.
2. Mop or autoscrub floor with Eclipse Neutral Cleaner using "ROUTINE MAINTENANCE" product label instructions.
3. Mix Illuminate Maintainer in mop bucket or autoscrubber according to the following dilution ratio:
1:32 4 US oz per gallon of water (160 ml per 5 liters of water)
4. Apply solution by damp mop method or using autoscrubber with a Pioneer Eclipse light cleaning pad.
5. For autoscrubber, dispense solution, agitate and pick up solution in one pass. Trail mop any streaks or puddles left from the squeegee.
6. Burnish with recommended Pioneer Eclipse machine and pad.

NOTE: Do not use Illuminate Maintainer more than once a week or as a scrubbing cleaner.

Pioneer Eclipse®

ILLUMINATE MAINTAINER

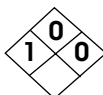
LAST REVISION DATE: 06/01/04
MANUFACTURER: Pioneer Eclipse® Corporation
 Sparta, NC 28675 Phone: 1-336-372-8080
FOR CHEMICAL EMERGENCY: Spill, Leak, Fire,
 Exposure or Accident **CALL CHEMTREC - Day or**
Night 1-800-424-9300 Toll Free in the
 Continental US **483-7616** in DISTRICT OF
 COLUMBIA. For calls originating outside the US:
 Call Collect **1-202-483-7616** Washington, DC.

SECTION I: GENERAL INFORMATION

PRODUCT NAME: Illuminate Maintainer
PRODUCT #: 206
PRODUCT CLASS: Acrylic co-polymer emulsion
CAS#: N/E
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: HAZARDOUS INGREDIENTS**

INGREDIENT: *Diethylene glycol monoethyl ether
CAS#: 111-90-0
%: 1-5
OSHA PEL: N/E
ACGIH TLV: N/E
LD 50 SPECIES & ROUTE: 5.5 g/kg male rat, oral
 9.0 g/kg rabbit, skin

* = This chemical is subject to the reporting requirements of
 Section 313 of SARA Title III.

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

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE: Light blue liquid
PHYSICAL STATE: Liquid
pH: 9.2 ± 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: 94.0 ± 0.5%
VAPOR PRESSURE: Less than water
DENSITY: 8.5 lb per gal @ 68°F
 1.02 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 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

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
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 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®