

## StarShine® ALL PURPOSE CLEANER

*All purpose cleaner formulated to remove dirt and soil from all washable surfaces.*

### FEATURES

- *Concentrated for economical use*
- *Easy application with mop or spray trigger bottle*
- *Effective for bi-weekly cleaning*
- *Totally biodegradable*
- *Pleasant fresh and clean fragrance*



### RECOMMENDED APPLICATIONS

All washable surfaces including resilient tile flooring, terrazzo, linoleum, marble and quarry tile, restroom fixtures, walls, partitions, etc.

### PRODUCT DATA

Description:	Solvent-free all purpose cleaner
Appearance:	Clear purple liquid
Fragrance:	Fresh and clean
Viscosity (Brookfield):	25 ± 0.5 centipoise @ 68°F (20°C)
pH (undiluted):	11.0 ± 0.5 ASTM E70-97
pH @ 1:64:	9.5 ± 0.5 ASTM E70-97
Density:	8.6 lb per gal @ 68°F 1.03 kg per liter @ 20°C
Flash Point:	None
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 #312MP: 4 x 1.06 gallon per case (4 x 4 liter)

### DIRECTIONS FOR USE

1. Mix StarShine All Purpose Cleaner per the following dilution ratio:

#### Light Cleaning:

1:128 1 US oz per gallon water (40 ml per 5 liters water)

#### Medium Cleaning:

1:64 2 US oz per gallon water (80 ml per 5 liters water)

#### Heavy Cleaning:

1:32 4 US oz per gallon water (160 ml per 5 liters water)

2. Apply to surface to be cleaned.
3. Rinse with clean water if necessary.

Pioneer Eclipse®

## STARSHINE ALL PURPOSE CLEANER

**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:** StarShine® All Purpose Cleaner  
**PRODUCT #:** 312  
**PRODUCT TYPE:** All purpose cleaner  
**PRECAUTIONS:** Skin and eye irritant. Keep  
 container sealed when not in use. Keep out of reach  
 of children.

**FLAMMABILITY:** 0

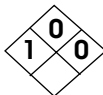
**REACTIVITY:** 0

**HEALTH:** 1

**NFPA HAZARD RATINGS**

4-EXTREME 3-HIGH 2-MODERATE

1-SLIGHT 0-INSIGNIFICANT

**SECTION II: HAZARDOUS INGREDIENTS**

**INGREDIENT:** Sodium EDTA  
**CAS#:** 64-02-8  
**%:** 1-10  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD 50 SPECIES & ROUTE:** 3030 mg/kg rat, oral.

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

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Clear, purple liquid  
**pH:** 11.0 – 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:** 85-95%  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 8.6 lb per gal @ 68°F  
 1.03 kg per liter @ 20°C  
**SOLUBILITY IN WATER:** Miscible in all proportions

**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):**  
 None Known  
**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) 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). 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**

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 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\*\*

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