

## FINAL STRIP H.D.<sup>®</sup> HEAVY DUTY STRIPPER

*Heavy-duty, non-ammoniated, butyl-based stripper which efficiently removes years of burnished floor coating and dirt build-up*

### FEATURES

- Works most effectively in warm water
- Emulsifies floor coating fast
- Labor savings – fewer passes needed to remove floor coating
- Excellent results on burnished floors



### RECOMMENDED FLOOR SURFACES

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

Not recommended for asphalt or rubber tile flooring.

**NOTE:** Test floor for color fastness in an inconspicuous area.

### PRODUCT DATA

Description:	Non-ammoniated, heavy-duty stripper
Appearance:	Red clear liquid
Fragrance:	Slight lemon
Viscosity (Brookfield):	<5 centipoise @ 68°F (20°C)
Flash Point:	>158°F (70°C) ASTM method D56
Shelf Life:	2 years, ASTM D1791-93 (1998)
Density:	8.4 lb per gal at 68°F 1.01 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. Keep from freezing. Combustible. Gloves and safety glasses recommended. Floor may become very slippery. Wear appropriate non-slip safety shoes. This product should not be used in contact with wood, rubber, paint surfaces or on asphalt or asbestos tile. Please read the Material Safety Data Sheet before handling this product.

### ORDERING INFORMATION

Product #502FS:	2 x 2.5 gallon per case (2 x 9.5 liter)
Product #502MP:	4 x 1.06 gallon per case (4 x 4 liter)

### DIRECTIONS FOR USE:

1. Mix Final Strip H.D. Heavy Duty Stripper in mop bucket or HydroStar Stripper Applicator per the following dilution ratios:

#### For sealer and coating removal:

1:4 32 US oz per gallon warm water  
(1,25 liters per 5 liters warm water)

#### For linoleum application:

1:8 16 US oz per gallon warm water  
(0,62 liter per 5 liters warm water)

2. Apply solution liberally to the floor and allow to soak for 15 minutes. Do not allow Final Strip H.D. Heavy Duty Stripper solution to dry on floor.
3. Scrub floor with recommended Pioneer Eclipse stripping machine and pads or brushes.
4. Pick up dirty solution with StripVac Stripper Recovery Vacuum, autoscrubber or wet vac.
5. Use a clean mop or autoscrubber to rinse floor twice with a Pioneer Eclipse Neutral Cleaner or Neutralizer following label directions.
6. Rinse floor again with clean cold water. Allow to dry thoroughly before applying sealer or coating.

*Pioneer Eclipse*<sup>®</sup>

# FINAL STRIP H.D. HEAVY DUTY STRIPPER

**LAST REVISION DATE:** 02/27/06

**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:** Final Strip H.D. Heavy  
Duty Stripper

**PRODUCT #:** 502

**PRODUCT TYPE:** Non-ammoniated heavy  
duty stripper

**PRECAUTIONS:** Combustible. Possible skin and  
eye irritant. Keep container sealed when not in  
use. Keep out of reach of children.

**HEALTH:** 2

**FLAMMABILITY:** 2

**REACTIVITY:** 0

**NFPA HAZARD RATINGS**

4-EXTREME 3-HIGH 2-MODERATE  
1-SLIGHT 0-INSIGNIFICANT



## SECTION II: HAZARDOUS INGREDIENTS

**INGREDIENT:** Monoethanolamine

**CAS#:** 141-43-5

**%:** 5-10

**OSHA PEL:** 3 ppm (TWA)

**ACGIH TLV:** 6 ppm (STEL) 3 ppm (TWA)

**LD<sub>50</sub> SPECIES & ROUTE:** 1.2 g/kg rat, oral

**INGREDIENT:** \*Ethylene Glycol Butyl Ether

**CAS#:** 111-76-2

**%:** 20-25

**OSHA PEL:** 50 ppm (skin) (TWA)

**ACGIH TLV:** 20 ppm (TWA)

**LD<sub>50</sub> SPECIES & ROUTE:** 0.5 g/kg rat, oral

\* 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:** Red clear liquid

**PHYSICAL STATE:** Liquid

**pH:** 12.6 ± 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:** 95-97%

**VAPOR PRESSURE:** Less than water

**DENSITY:** 8.4 lb per gal @ 68°F

1.01 kg per liter @ 20°C

**SOLUBILITY IN WATER:** Miscible

## SECTION IV: FIRE AND EXPLOSION DATA

**FLASH POINT:** > 158°F (70°C) ASTM method D56  
**EXPLOSIVE LIMITS:**

LOWER: N/E UPPER: N/E

**EXTINGUISHING MEDIA:** Water spray, CO<sub>2</sub>, dry  
chemical, alcohol-type or universal type foams  
**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:**

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 strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon monoxide, carbon dioxide and  
nitrogen oxides

**REACTIVITY CONDITIONS:** None

## SECTION VI: HEALTH HAZARD DATA

**EYES:** May cause severe burns or possible  
corneal damage. For eye contact, flush with a  
large amount of water for at least 15 minutes.  
See a physician immediately.

**SKIN:** Irritation, reddening or possible damage  
upon repeated or prolonged contact. For skin  
contact, wash affected areas with soap and  
water. Seek medical attention if irritation persists.

**INHALATION:** Vapor or mist can cause headache,  
nausea and irritation of the eyes, nose, throat and  
lungs. For overexposure, move subject to fresh  
air. Seek medical attention if symptoms persist.

**INGESTION:** May cause nausea, abdominal  
discomfort, vomiting, diarrhea. 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:** Main hazard  
is due to severe irritant properties of product.  
Treatment should be directed at the control of  
symptoms and the clinical condition of  
the patient.

**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:** Landfill or incinerate the  
contaminated solids and diking material  
according to local, state and federal regulations  
concerning disposal of hazardous materials.  
Non-salvageable liquid should be drummed and  
turned over to a licensed hazardous waste  
disposal facility.

## SECTION VIII: SPECIAL PROTECTION

**EYE PROTECTION:** Chemical splash goggles  
(ANSI Z87.1-1989 or approved equivalent)

**RESPIRATORY PROTECTION:** None required when  
permissible airborne concentrations are not  
exceeded. In emergency, use approved positive  
pressure self-contained breathing device.

**VENTILATION:** Mechanical local exhaust  
ventilation at point of contamination release

**OTHER PROTECTIVE EQUIPMENT:** As required by  
employer code. Rubber boots and chemical  
resistant gloves recommended.

## SECTION IX: SPECIAL PRECAUTIONS

**HANDLING AND STORAGE:**

Storage temperature (MAX. 60°C / 140°F)  
(MIN. 1°C / 34°F).

**OTHER PRECAUTIONS:** Keep from freezing.

## SECTION X: ADDITIONAL INFORMATION

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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®