

STAR-TECH™ HEAVY DUTY FLOOR 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 #514FS: 2 x 2.5 gallon per case (2 x 9.5 liter)

DIRECTIONS FOR USE:

1. Mix Star-Tech 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)

In California:

Light or Medium Stripping 1:9 14.2 US oz per gallon warm water
Heavy Stripping 1:4 32 US oz per gallon warm water

2. Apply solution liberally to the floor and allow to soak for 15 minutes. Do not allow 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®

STAR-TECH HEAVY DUTY STRIPPER

LAST REVISION DATE: 09/01/06
MANUFACTURER: Amano Pioneer Eclipse® Corp.
 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: Star-Tech Heavy Duty Stripper
PRODUCT #: 514
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)
LD₅₀ 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)
LD₅₀ 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, CO₂, 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

