

# POWERSTAR® LOW ODOR STRIPPER

*Extra strength floor stripper formulated for use in environments where odor is a problem*

## FEATURES

- *No offensive odor*
- *Non-butyl - lower toxicity*
- *Non-caustic*
- *Labor savings - emulsifies floor coatings and sealers fast*
- *Easy application with mop or automatic scrubber Super-concentrated for economical use*



## RECOMMENDED FLOOR SURFACES

For use on concrete, terrazzo, marble, stone, and resilient floors.

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

## PRODUCT DATA

Description:	Non-butyl, low odor stripper
Appearance:	Clear, red liquid
Fragrance:	None
Viscosity (Brookfield):	< 5 centipoise @ 68°F (20°C)
Flash Point:	>200°F (93°C), ASTM method D56
Shelf Life:	2 years, ASTM D1791-93 (1998)
Density:	8.7 lb per gal at 68°F 1.04 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 asphalt or rubber tile flooring, wood, or painted surfaces. Please read the Material Safety Data Sheet before handling this product.

## ORDERING INFORMATION

Product #510GL5:	2 x 2.5 gallons per case (2 x 9.5 liters)
Product #510DR5:	55 gallons

## DIRECTIONS FOR USE

1. Mix PowerStar Low Odor Stripper in a mop bucket or automatic scrubber per the following dilution ratios:

### Light Stripping

1:10 13 US oz per gallon warm water

### Medium Stripping

1:8 16 US oz per gallon warm water

### Heavy Stripping

1:6 21.5 US oz per gallon of warm water

2. Apply solution liberally to the floor and allow to soak for 10 minutes. Do not allow stripper solution to dry on floor.
3. Scrub floor with automatic scrubber or stripping machine and pad(s) or brushes.
4. Pick up dirty solution with automatic scrubber or wet vac.
5. Use a clean mop or automatic scrubber to rinse floor twice with neutral cleaner following label directions.
6. Rinse floor again with clean cold water. Allow to dry thoroughly before applying sealer or coating.

**NOTE:** Works most effectively in warm water. Test floor for color fastness in an inconspicuous area.

**POWERSTAR LOW ODOR STRIPPER**

**LAST REVISION DATE:** 06/02/08

**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:** PowerStar® Low Odor Stripper  
**PRODUCT #:** 510  
**PRODUCT TYPE:** Non-butyl, low odor stripper  
**PRECAUTIONS:** Severe irritant. Do not get in eyes,  
on skin or clothing. Avoid breathing vapor. Keep  
container sealed when not in use. Keep out of  
reach of children.  
**HEALTH:** 2  
**FLAMMABILITY:** 1  
**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  
**%:** 10-15  
**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:** Benzyl Alcohol  
**CAS#:** 100-51-6  
**%:** 15-20  
**OSHA PEL:** N/E  
**ACGIH TLV:** N/E  
**LD<sub>50</sub> SPECIES & ROUTE:** 1.23 g/kg rat, oral

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

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Clear, red liquid  
**PHYSICAL STATE:** Liquid  
**pH:** 12.4 ± 0.5  
**BOILING POINT:** 104°C / 220°F  
**EVAPORATION RATE:** Less than water  
**FREEZING POINT:** N/E  
**VAPOR DENSITY:** Less than air  
**VOLATILE BY WEIGHT:** 85-95%  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 8.7 lb per gal @ 68°F  
1.04 kg per liter @ 20°C  
**SOLUBILITY IN WATER:** Miscible

**SECTION IV: FIRE AND EXPLOSION DATA**

**FLASH POINT:** >200°F (93°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 product's severe irritant  
properties. 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  
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COMMUNICATION STANDARD (29CFR1910.1200).

\*\*\*IMPORTANT SAFETY INFORMATION  
DO NOT DISCARD\*\*\*

\*\*PLEASE ROUTE TO COMPANY SAFETY OFFICER\*\*

**POWERSTAR®**