

## **POWERSTAR® 500 DENSIFYING TREATMENT**

*Superior, clear and odorless water-repelling solution with low ASR reactivity. Optimal for use in medium traffic areas.*

### **FEATURES**

- *Low-cost treatment protects your investment*
- *Increases useful life of concrete structures and floors*
- *Easy to handle and apply*
- *Reduces porosity and permeability and increases hardness which results in improved wear resistance*
- *Increases chemical resistance*
- *Penetrates to provide long term performance*



### **RECOMMENDED APPLICATIONS**

Concrete

### **PRODUCT DATA**

Appearance:	Clear, colorless liquid
Fragrance:	None added
Coverage:	200 sq ft per gal first coat
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
Drying time:	Approximately 30-60 minutes
Shelf Life:	1 year, ASTM D1791-93 (1998)
Density:	8.89 lb per gal @ 68°F 1.066 kg per liter @ 20°C
Freeze/Thaw:	Do not freeze

### **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; mix thoroughly before using.

### **ORDERING INFORMATION**

Product #416GL5:	2 x 2.5 gallons per case (2 x 9.5 liters)
Product #416DR5:	55 gallons

### **DIRECTIONS FOR USE:**

1. Apply with low-pressure sprayer. Can be moved with a brush, broom, or a T-bar to ensure uniform coverage.
2. Keep surface wet with PowerStar 500 Densifying Treatment for a minimum of 60 minutes.
3. Allow floor to air dry. Do not remove the spent material from the floor.
4. After PowerStar 500 Densifying Treatment has dried, any un-reacted material can be removed with a broom.

**NOTE:** PowerStar 500 Densifying Treatment is a RTU product designed to be used undiluted.

### **USE PRECAUTIONS**

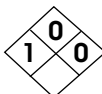
Allow to dry 1 to 2 hours prior to exposure to traffic.

**POWERSTAR 500 DENSIFYING TREATMENT**

**LAST REVISION DATE:** 05/21/08  
**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® 500 Densifying  
 Treatment  
**PRODUCT #:** 416  
**PRODUCT TYPE:** Acrylic co-polymer emulsion  
**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:** Potassium silicate  
**CAS#:** 1312-76-1  
**%:** 30-45  
**LD<sub>50</sub> SPECIES & ROUTE:** N/E

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

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Clear to hazy  
**PHYSICAL STATE:** Liquid  
**pH:** 11.0 ± 0.5  
**BOILING POINT:** 100°C / 212°F  
**EVAPORATION RATE:** Less than water  
**FREEZING POINT:** Approximately 0°C / 32°F  
**VAPOR DENSITY:** Greater than air  
**VAPOR PRESSURE:** Less than water  
**DENSITY:** 8.89 lb per gal @ 68°F  
 1.066 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, aluminum, tin, lead, and zinc  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
 Hydrogen  
**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, DO  
 NOT induce vomiting. Get medical attention  
 immediately. Give cupful of water. Never give  
 anything by mouth to an unconscious person.  
**CHRONIC HAZARDS:** No known chronic hazards.  
 Not listed by NTP, IARC or OSHA as a carcinogen.  
**PHYSICAL HAZARDS:** Dries to form glass film  
 which can easily cut skin. Spilled material is  
 slippery when wet.

**SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES**

**SMALL SPILLS:** Mop up and neutralize liquid or  
 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. If containment is impossible, neutralize  
 contaminated area and flush with large  
 quantities 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:** Wear safety glasses.  
**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.  
 Keep containers closed. Store in clean plastic  
 containers only. DO NOT store in aluminum,  
 fiberglass, copper, brass, zinc, or galvanized  
 containers.

**SECTION X: ADDITIONAL INFORMATION**

Neither this data sheet nor any statement  
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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\*\*

