

### POWERSTAR STAIN RESISTANT TOP SHIELD

#### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: PowerStar Stain Resistant Top Shield  
 Product Type: Concrete sealer

Product Number: 421

**Manufacturer Address:**

Amano Pioneer Eclipse Corporation  
 P.O. Box 909  
 1 Eclipse Road  
 Sparta, NC 28675


**Contact Information:**

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**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night. Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

#### 2: HAZARDS IDENTIFICATION

**OSHA status:** Hazardous- Irritant  
**Precautions:** Warning! Skin and Eye Irritant. Keep container sealed when not in use. Keep out of reach of children.  
**Potential Health Effects:**  
**Eye Contact:** Irritating to eyes.  
**Skin Contact:** Irritating to skin.  
**Inhalation:** Spray mist can cause irritation to nose, throat and lungs.  
**Ingestion:** May cause irritation to mouth, esophagus and stomach.



**Health:** 2  
**Flammability:** 0  
**Reactivity:** 0

#### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Weight %
Proprietary Ingredient A	Not Specified	3 - 7
Proprietary Ingredient B	Not Specified	1 - 5
Proprietary Ingredient C	Not Specified	1 - 5

#### 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately if irritation persists.  
**Skin Contact:** In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.  
**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Ingestion:** If ingested, Do NOT induce vomiting! Drink plenty of water or milk. Seek medical attention immediately.

#### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Carbon dioxide, water, water fog, dry chemical, chemical foam  
**Special Fire Fighting Procedures:** Keep containers cool with water spray to prevent container rupture due to steam buildup. Floor will become slippery if material is released. Material is alkaline and will irritate the eyes and skin, if product is allowed to directly contact the eyes.  
**Hazardous Combustible Products:** Smoke, fumes or vapors, oxides of carbon.  
**Unusual Fire and Explosion Hazards:** None

#### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.  
**Environmental Precautions:** Keep spills and cleaning run-off out of sewers and open bodies of water.  
**Containment and Clean-Up**  
**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:** 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 contains for disposal.

### POWERSTAR STAIN RESISTANT TOP SHIELD

**Waste Disposal:**

Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

#### 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapors or mists. Remove and wash contaminated clothing and footwear before re-use.

**Storage:** Storage temperature ( Max. 60°C/140°F - Min. 1°C/34°F)

**Other information:** Keep from freezing, product may coagulate. Keep container sealed when not in use. Keep out of reach of children.

#### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limit Values**

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
Proprietary Ingredient A	Not specified	1 ppm	N/E	N/E	N/E

**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.

**Personal Protective Equipment (PPE)**

**Eye/Face Protection:** Chemical splash goggles (ANSI Z87.1-1989 or approved equivalent)

**Skin Protection:** Rubber gloves recommended. If major exposure is possible, wear suitable protective clothing such as rubber boots, apron, etc.

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

#### 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> milky, white liquid	<b>Odor:</b> no fragrance added
<b>Odor Threshold:</b> N/E	<b>pH:</b> 11 ± 0.5
<b>Freezing Point:</b> 32°F / 0°C	<b>Boiling Point:</b> 212 °F / 100 °C
<b>Flash Point:</b> non-combustible	<b>Evaporation Rate:</b> less than water
<b>Flammability:</b> N/E	<b>Upper/Lower Flammability limits:</b> N/E
<b>Vapor Pressure:</b> less than water	<b>Vapor Density:</b> less than air
<b>Relative Density:</b> 9.2 lb/gal @ 68 °F / 1.11 kg/l @ 20°C	<b>Solubility:</b> >95% in water
<b>Partition Coefficient (n-octanol/water):</b> N/E	<b>Auto Ignition temperature:</b> N/E
<b>Decomposition Temperature:</b> N/E	<b>Volatile by Weight:</b> 97 ± 0.5%
<b>Viscosity:</b> <10 centipoise @ 68 °F (20°C)	

#### 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Hazardous reactions:** None expected

**Conditions to avoid:** Extreme temperatures. Keep from freezing.

**Incompatible materials:** Strong oxidizers, strong acids

**Hazardous decomposition products:**

#### 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not determined on product. Component data as follows:

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC <sub>50</sub> Inhalation-Rat (mg/l)	Carcinogenicity	CA - Prop 65
Proprietary Ingredient A	16540	N/E	N/E	N/L	N/L
Proprietary Ingredient B	7460	N/E	N/E	N/L	N/L
Proprietary Ingredient C	N/E	N/E	N/E	N/L	N/L

