

### POWERSTAR STAIN RESISTANT TOP SHIELD

#### I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name:** PowerStar Stain Resistant Top Shield **Product Number:** 421  
**Product Use:** Concrete Sealer

**Manufacturer Address:**  
 Amano Pioneer Eclipse Corp.  
 P.O. Box 909  
 1 Eclipse Road  
 Sparta, NC 28675 USA

**Contact Information:**  
 Telephone: +1 336 372 8080  
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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

This preparation has been classified as dangerous and labeled according to 1999/45/EC.

**EU Classification:** Classified as Irritant, Sensitizing



**Danger Symbol:**

**Risk Phrases:** R36/38 – Irritating to eyes and skin  
 R43- May cause sensitization by skin contact

**Safety Phrases:** S2- Keep out of reach of children.  
 S23- Do not breathe fumes/vapor/spray  
 S24/25- Avoid contact with skin and eyes.  
 S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S28- After contact with skin, wash immediately with plenty of water.  
 S36/37/39- Wear suitable protective clothing, gloves and eye/face protection  
 S45-In case of accident or if you feel unwell seek medical advice immediately (show label where possible)

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient	EC No.	Weight %	CAS No.	Symbol	R-phrases *
Proprietary Ingredient A**	Not specified	3 – 7	Not specified	Xi (irritant)	R-36/38
Proprietary Ingredient B**	Not specified	1 – 5	Not specified	Xi (irritant)	R-38, 41, 43
Proprietary Ingredient C**	Not specified	1 – 5	Not specified	C (Corrosive)	R-34

\* See section 16 for the full text of R-phrases

\*\*Specific ingredient identity not provided by component manufacturer due to proprietary status. The manufacturer has provided ingredient classification.

#### 4. FIRST AID MEASURES

##### EFFECTS AND SYMPTOMS

**Inhalation:** Breathing concentrated vapors may cause irritation of respiratory tract.  
**Ingestion:** May cause gastric distress.  
**Skin contact:** Prolonged contact may cause irritation.  
**Eye contact:** Prolonged contact may cause irritation.

##### FIRST AID MEASURES

**Inhalation:** Remove to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persists seek medical attention.  
**Ingestion:** Do not induce vomiting! Immediately drink plenty of water. Never give anything by mouth to an unconscious person. Seek medical attention immediately.  
**Skin contact:** Wash off with soap and water. If irritation persists, seek medical attention.  
**Eye contact:** Immediately flush with water for at least 15 minutes. Get medical attention immediately.

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#### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Dry chemical, water, water fog, chemical foam, and carbon dioxide  
**Hazardous combustion products:** Smoke, fumes or vapors, oxides of carbon  
**Unusual fire and explosion hazards:** Materials can splatter above 100°C/212°F.  
**Special fire fighting procedures:** Keep containers cool with water spray to prevent container rupture due to steam build-up. Floor will be slippery if material is released. Material is alkaline and will irritate the eyes and skin if product is allowed in direct contact.

#### 6. ACCIDENTAL RELEASE MEASURES

**Small spills:** Absorb spill on inert material (e.g. sand, earth) and dispose of as waste material in accordance with national and regional provisions.  
**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.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes.  
**Storage:** Storage temperature (Max. 60°C/140°F) (Min. 1°C/34°F). Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

##### Exposure limit values:

Component Name:	Source	Value / Units	Type
Proprietary Ingredient A	*	1 mg/m <sup>3</sup>	TWA
Proprietary Ingredient B	Not established		
Proprietary Ingredient C	Not established		

- The TLV and PEL have not been established for this product; the component manufacturer has established the limits described as guidelines.

**Exposure controls:** Ensure adequate general ventilation.

##### OCCUPATIONAL EXPOSURE CONTROLS

**Respiratory protection:** No specific personal protection is required if ventilation is adequate.  
**Hand protection:** Rubber gloves recommended  
**Eye protection:** Safety glasses recommended  
**Skin protection:** If major exposure is possible, wear suitable protective clothing such as rubber boots, apron, etc.  
**Environmental exposure controls:** No specific environmental exposure controls required.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Milky white liquid  
**Odour threshold:** N/E  
**Freezing point:** N/E  
**Flash point:** None  
**Upper/lower flammability/explosive limits:** N/A  
**Vapour density:** Less than air  
**Solubility:** 95% soluble (dispersible) in water  
**Auto-ignition temperature:** N/E  
**Viscosity:** Less than 10 centipoise @ 20°C  
**Oxidizing properties:** Not an oxidizer  
**Other information:** N/A

**Odour:** Odorless  
**pH:** 10.5 to < 11.5  
**Boiling point/boiling range:** 100°C  
**Evaporation rate:** Less than water  
**Vapour pressure:** 17 mm Hg @ 20°C  
**Relative density:** 1.11 kg/l @ 20°C  
**Partition coefficient (n-octanol/water):** N/E  
**Decomposition temperature:** N/E  
**Explosive properties:** None

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#### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Product is stable.
<b>Hazardous Reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	Extreme temperatures, keep from freezing.
<b>Incompatible Materials:</b>	Strong oxidizers, strong acids
<b>Hazardous decomposition products:</b>	In case of fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

#### 11. TOXICOLOGICAL INFORMATION

##### PREPARATION SUMMARY

LD<sub>50</sub>: Not established

##### LOCAL EFFECTS

**Skin contact:** Prolonged contact may cause irritation.  
**Eye Contact:** Prolonged contact may cause irritation.  
**Sensitization:** Prolonged contact may cause sensitization.  
**Chronic effects:** None known

##### SPECIFIC EFFECTS

**Carcinogenicity:** None known  
**Reproductive effects:** None known  
**Teratogenicity:** None known  
**Mutagenicity:** None known

##### COMPONENT SUMMARY

###### Proprietary Ingredient A

LD<sub>50</sub>: (Oral) rat 16,540 mg/kg,

###### Proprietary Ingredient B

LD<sub>50</sub>: (Oral) rat 7,460 mg/kg,

###### Proprietary Ingredient C

LD<sub>50</sub>: Not established

##### Potential Health Effects

**Eye:** Irritating to eyes.  
**Skin:** May cause skin irritation.  
**Ingestion:** May cause irritation to mouth, throat and stomach.  
**Inhalation:** Irritating to respiratory system.  
**Chronic:** None known  
**CARCINOGENICITY:** Not expected to occur.

#### 12. ECOLOGICAL INFORMATION

No data available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

#### 13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional, and national regulations.

#### 14. TRANSPORT INFORMATION

Not regulated for transport.

#### 15. REGULATORY INFORMATION

**EINECS Status:** Ingredients identified by CAS number are included in the EINECS inventories.

**NATIONAL REGULATIONS:** No additional national regulations are known to the supplier.

#### 16. OTHER INFORMATION

**R (Risk) phrases:**

R34- Causes burns.  
R36/38 - Irritating to eyes and skin.  
R41- Risk of serious damage to the eyes.  
R43 - May cause sensitization by skin contact

**Additional S (Safety) Phrases:**

S2- Keep out of reach of children.  
S23-Do not breathe fumes/vapour/spray.  
S24/25-Avoid contact with skin and eyes.  
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28- After contact with skin, wash immediately with plenty of water.  
S37/39- Wear suitable gloves and eye/face protection.  
S45- In case of accident or if you feel unwell, seek medical advice immediately (show label where possible.)  
S64- If swallowed, rinse mouth with water (only if person is conscious).

**Abbreviations Used:**

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

**Issued by:**

Chemical/R&D Department  
Amano Pioneer Eclipse Corporation

**Revision Information:**

04/01/2011 - revisions conforming to amendment 453/2010  
01/11/2010 - revisions conforming to 1907/2006/EC  
03/28/2010 - revisions conforming to 1999/45/EC, 1907/2006/EC