

### ENVIROSTAR GREEN MILD ACID WASHROOM CLEANER

#### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: EnviroStar Green Mild Acid Washroom Cleaner      Product Number: 333DTC  
 Product Type: Washroom cleaner

**Manufacturer Address:**

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

**Contact Information:**

Telephone: 1-336-372-8080  
 Email: msds@pioneer-eclipse.com  
 Internet: www.pioneer-eclipse.com

**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 Ingredient	CAS Number	Weight %
citric acid	77-92-9	10 - 30

#### 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. Get medical attention if irritation persists.  
**Inhalation:** If inhaled, remove to fresh air. Get medical attention.  
**Ingestion:** If ingested, Do NOT induce vomiting! Seek medical attention immediately.

#### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Dry chemical, water spray, foam, carbon dioxide  
**Special Fire Fighting Procedures:** None  
**Hazardous Combustible Products:** None  
**Unusual Fire and Explosion Hazards:** Materials can splatter above 212 °F / 100 °C

#### 6: ACCIDENTAL RELEASE MEASURES

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

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#### 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes and skin. Wash thoroughly after handling. Use only in well-ventilated areas.  
**Storage:** Storage temperature ( Max. 60°C/140°F - Min. 1°C/34°F)  
**Other information:** Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

#### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits:** None  
**Engineering Controls:** Ensure adequate general ventilation.  
**Personal Protective Equipment (PPE)**  
**Eye/Face Protection:** Safety glasses recommended.  
**Skin Protection:** Rubber gloves recommended.  
**Respiratory Protection:** None required when permissible airborne concentrations are not exceeded.

#### 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Clear, colorless liquid	<b>Odor:</b> no added fragrance
<b>Odor Threshold:</b> N/E	<b>pH:</b> 2.5
<b>Freezing Point:</b> 32 °F / 0°C	<b>Boiling Point:</b> 212 °F / 100 °C
<b>Flash Point:</b> > 200 °F / 93 °C (ASTM method D56)	<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> greater than air
<b>Relative Density:</b> 9.0 lb/gal @ 68°F / 1.08 kg/L @ 20°C	<b>Solubility:</b> 100% soluble 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> 69%
<b>Viscosity:</b> < 10 centipoise @ 68 °F (20 °C)	<b>VOC:</b> 0.01%

#### 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions  
**Conditions to avoid:** None known  
**Incompatible materials:** Strong acids and bases  
**Hazardous decomposition products:** None known  
**Hazardous reactions:** None known

#### 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not determined on product.

Ingredient	LD50 Oral- Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC <sub>50</sub> Inhalation- Rat (mg/l)	Carcinogenicity	CA - Prop 65
citric acid	3,000	N/E	N/E	N/L	N/L

#### LOCAL EFFECTS

**Skin contact:** May cause mild irritation  
**Eye contact:** May cause mild irritation  
**Sensitization:** None expected  
**Chronic effects:** None expected

#### SPECIFIC EFFECTS

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

#### 12: ECOLOGICAL INFORMATION

Ecological data not available.

#### 13: DISPOSAL CONSIDERATIONS


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

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### 14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

### 15: REGULATORY INFORMATION

**U.S. Regulations/Reporting:** Components not subject to reporting (Sara 302/304, 313, CERCLA)  
**State Right to Know Status:** Components not subject to reporting (MA, NJ, PA, RI)  
**Canada Regulations/Reporting:** This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the MSDS contains all of the information required by the *CPR*.  
**WHMIS Hazard Symbol:** 

**WHMIS hazard class:** D2B

#### Ingredients required for disclosure:

Ingredient	CAS Number	Weight %	Classification
citric acid	77-92-9	>1%	E
lauramine oxide	1643-20-5	>1%	uncontrolled

### 16: OTHER INFORMATION

Product intended for commercial and industrial use only.

#### Abbreviations Used:

N/E - Not Established

N/A - Not applicable

N/L - Not Listed

#### Revision History:

09/19/2011- MSDS issue

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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\*\***