

**ENVIROSTAR GREEN™ MILD ACID WASHROOM CLEANER****1. IDENTIFICATION OF THE MIXTURE (PREPARATION) AND OF THE COMPANY/UNDERTAKING****1.1 PRODUCT IDENTIFIER**

Product Name: EnviroStar Green Mild Acid Washroom Cleaner

Product Number: 333DTC

**1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST**

Product intended for commercial and industrial use only.

Intended Use: Water based washroom cleaner concentrate. To be diluted prior to use.

Uses Advised Against: Other than per labelled instructions.

**1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET****Manufacturer:**

Amano Pioneer Eclipse Corporation

P.O. Box 909

1 Eclipse Road

Sparta, NC 28675

Telephone: 1-336-372-8080

Email: msds@pioneer-eclipse.com

Internet: www.pioneereclipse.com

**1.4 EMERGENCY TELEPHONE NUMBER****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****2.1 CLASSIFICATION OF THE MIXTURE (PREPARATION)****2.1.1** This mixture has been classified according to EC 1272/2008.

CLP Classification: Eye Irritation - Category 2

**2.1.2** This preparation has been classified according to 1999/45/EC.

DPD Classification: Irritant.

**2.2 LABEL ELEMENTS**

Signal Word: Warning

Hazard pictogram(s):



Hazard Statement(s):

H319 Causes serious eye irritation.

Precautionary Statement(s):

P264 Wash thoroughly after handling.

P280 Wear protective gloves/eye protection/face protection.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists: Get medical advice/attention.

**2.3 OTHER HAZARDS**

No other hazards are known to the supplier

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1/3.2 SUBSTANCES/MIXTURES**

**ENVIROSTAR GREEN™ MILD ACID WASHROOM CLEANER**

Ingredient	EC No.	Weight %	CAS No.	DSD Classification		CLP Classification	
				Symbol	Risk Phrase(s)*	Hazard Class	Hazard Statement(s)*
citric acid	201-069-1	10 - 30	77-92-1	Xi (Irritant)	R36	Eye Irrit 2†	H319

†Classification provided by vendor. Harmonized classification not available.

\*See section 16 for the full text of R phrases and Hazard Statements

**4 FIRST AID MEASURES**
**4.1 DECIPTION OF FIRST AID MEASURES**

**Eye Contact:** Flush eyes with plenty of water, for at least 15 minutes. If easy to do, remove contact lenses if worn. If irritation persists, seek medical attention.

**Skin Contact:** Wash with soap and plenty of water. If irritation persists, seek medical attention.

**Inhalation:** If breathing is difficult, remove subject to fresh air. If symptoms persist, seek medical attention.

**Ingestion:** Call a physician or poison control center. Do not induce vomiting. Seek medical advice.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**Eye Contact:** Can be irritating to eyes.

**Skin Contact:** May cause mild irritation.

**Inhalation:** Spray mist may cause irritation to nose, throat and lungs.

**Ingestion:** May cause irritation to mouth, esophagus and stomach.

**4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Treat symptomatically.

**5. FIRE FIGHTING MEASURES**
**5.1 EXTINGUISHING MEDIA**

Dry chemical, water spray, foam, carbon dioxide

**5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE**

Hazardous combustion products: None known

**5.3 ADVICE FOR FIRE FIGHTERS**

Unusual fire and explosion hazards: Materials can splatter above 100°C/212°F.

Special firefighting procedures: None known

**6. ACCIDENTAL RELEASE MEASURES**
**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Refer to Section 8 for appropriate personal protective equipment.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Keep spills and cleaning runoff out of sewers and open bodies of water.

**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

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.

**6.4 REFERENCE TO OTHER SECTIONS:** Refer to Section 8 of the SDS.

**7. HANDLING AND STORAGE**

**ENVIROSTAR GREEN™ MILD ACID WASHROOM CLEANER****7.1 PRECAUTIONS FOR SAFE HANDLING**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use in well-ventilated areas. Avoid breathing vapours or spray mists.

**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

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.

**7.3 SPECIFIC END USE(S):** No information available**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 CONTROL PARAMETERS**

Components do not have established work exposure limits.

**8.2 EXPOSURE CONTROLS**

Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Environmental exposure controls: No specific environmental exposure controls known.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety eyewear is recommended, to avoid exposure to chemical splashes and mists.

Hand Protection: Chemical resistant gloves are recommended.

Skin Protection: If major exposure is possible, wear suitable protection such as rubber boots, apron, etc.

Respiratory Protection: Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	clear, colorless liquid
Odor:	no added fragrance
Odor Threshold:	N/E
pH:	2.5
Freezing Point:	N/E
Initial boiling point/boiling range:	N/E
Flash Point:	> 93 °C
Evaporation Rate:	N/E
Upper/lower flammability/explosive limits:	N/E
Vapor Pressure:	N/E
Vapor Density:	N/E
Relative Density:	1.08 kg/L @ 20°C
Solubility:	miscible in water
Partition Coefficient (n-octanol/water):	N/E
Auto Ignition temperature:	N/E
Decomposition Temperature:	N/E
Viscosity:	<10 centipoise @ 20°C
Explosive Properties:	N/A
Oxidizing properties:	N/E

**9.2 OTHER INFORMATION**

VOC: 0.01% (as supplied), <0.01% (1:16)

**10. STABILITY AND REACTIVITY**

**10.1 REACTIVITY:** None known

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- 10.2 **CHEMICAL STABILITY:** Stable under normal conditions.
- 10.3 **POSSIBILITY OF HAZARDOUS REACTIONS:** None expected
- 10.4 **CONDITIONS TO AVOID:** None known
- 10.5 **INCOMPATIBLE MATERIALS:** Strong acids, bases and oxidizing agents.
- 10.6 **HAZARDOUS DECOMPOSITION PRODUCTS:** None known

**11. TOXICOLOGICAL INFORMATION**
**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**ACUTE TOXICITY:** Toxicity testing has not been completed on the mixture.

Component	CAS #	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC <sub>50</sub> Inhalation-Rat (mg/l)
citric acid	77-92-9	11700	> 2000	not available

- SKIN CORROSION/IRRITATION:** Based on available data, the classification criteria are not met.
- SERIOUS EYE DAMAGE/IRRITATION:** Classified as Eye Irritant - Category 2
- RESPIRATORY OR SKIN SENSITIZATION:** Based on available data, the classification criteria are not met.
- GERM CELL MUTAGENICITY:** Based on available data, the classification criteria are not met.
- CARCINOGENICITY:** Based on available data, the classification criteria are not met.
- REPRODUCTIVE TOXICITY:** Based on available data, the classification criteria are not met.
- STOT-SINGLE EXPOSURE:** Based on available data, the classification criteria are not met.
- STOT-REPEATED EXPSURE:** Based on available data, the classification criteria are not met.
- ASPIRATION HAZARD:** Based on available data, the classification criteria are not met.

**12. ECOLOGICAL INFORMATION**

- 12.1 **TOXICITY:** Ecological testing has not been completed on the mixture.
- 12.2 **PERSISTANCE AND DEGRADABILITY:** No data available.
- 12.3 **BIOACCUMULATIVE POTENTIAL:** No data available.
- 12.4 **MOBILITY IN SOIL:** No data available.
- 12.5 **RESULTS OF PBT AND vPvB ASSESSMENT:** No data available.
- 12.6 **OTHER ADVERSE EFFECTS:** No data available.
- 12.7 **ADDITIONAL INORMATION:** No data available.

**13. DISPOSAL CONSIDERATIONS**
**13.1 WASTE TREATMENT METHODS**

Disposal of this material should be in accordance with local, regional and national regulations.  
 EU Waste Catalogue: 20 01 29\*

**14. TRANSPORT INFORMATION**

Product is not classified as hazardous for transport regulations.

- 14.1 **UN NUMBER:** None
- 14.2 **UN PROPER SHIPPING NAME:** None
- 14.3 **TRANSPORT HAZARD CLASSES:** None
- 14.4 **PACKING GROUP:** None

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- 14.5 ENVIRONMENTAL HAZARDS: None
- 14.6 SPECIAL PRECAUTIONS: None
- 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MAPROL73/78 AND THE IBC CODE: N/A

**15. REGULATORY INFORMATION****15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MIXTURE**

EINECS STATUS: Ingredients are included in the EINECS/ELINCS/NLP inventories.

NATIONAL REGULATIONS:

648/2004

The surfactants contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of the detergent manufacturer.

No additional national regulations are known to the supplier.

- 15.2 CHEMICAL SAFETY ASSESSMENT: No information available.

**16: OTHER INFORMATION****REVISION INFORMATION:**

May 27, 2015

Revisions required per EC 1272/2008

**ABBREVIATIONS:**

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

**DETERGENT/CLEANER LABELING (EC-648/2004):**

≥5% ≤15% - non-ionic surfactant

<5% - preservative

**FULL TEXT OF HAZARD STATEMENTS:**

No additional hazard statements.

**FULL TEXT OF PRECAUTIONARY STATEMENTS:**

No additional precautionary statements.

**FULL TEXT OF RISK PHRASES:**

R36 Irritating to eyes.

**ISSUED BY:**

Chemical/R&D Department

Amano Pioneer Eclipse Corporation