



# SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2020/878

Issued: 30-Sep-2024

Supersedes: 20-May-2019

## ENVIROSTAR™ MILD ACID WASHROOM CLEANER

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 PRODUCT IDENTIFIER

Product Name: EnviroStar Mild Acid Washroom Cleaner

Product Number: 333

#### 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.

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: sds@pioneereclipse.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)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE MIXTURE

This mixture has been classified according to EC 1272/2008.

Eye Irritation - Category 2

#### 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 and 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

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1/3.2 SUBSTANCES/MIXTURES

Ingredient	EC No.	Weight %	CAS No.	Classification	
				Hazard Class	Hazard Statement(s)*
Citric acid	201-069-1	7 - 13	77-92-9	Eye Irrit 2 STOT SE 3	H319 H335

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



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#### SECTION 4: FIRST AID MEASURES

##### 4.1 DESCRIPTION OF FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing..
- Skin Contact:** Wash with soap and plenty of water. If irritation develops and persists, seek medical attention.
- Inhalation:** If breathing is difficult, remove to fresh air. If symptoms persist, seek medical attention.
- Ingestion:** If ingested, do not induce vomiting. Seek medical attention.

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

This mixture is not expected to produce significant adverse health effects when recommended use instructions are followed.

- Eye Contact:** Can cause serious eye irritation.
- Skin Contact:** May cause mild irritation
- Inhalation:** Spray mist may cause irritation to nose, throat and lungs.
- Ingestion:** None expected under normal use.

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

Treat symptomatically.

#### SECTION 5: FIRE FIGHTING MEASURES

##### 5.1 EXTINGUISHING MEDIA

In case of fire: use dry chemical, water spray, foam, carbon dioxide.

##### 5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Hazardous combustion products: CO, CO<sub>2</sub>

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include but not limited to the above mentioned substances.

##### 5.3 ADVICE FOR FIRE FIGHTERS

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection. Fire-fighters should wear clothing conforming to EN469 for chemical incidents. Materials can splatter above 100°C/212°F.

#### SECTION 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. Neutralize spill area. 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.

#### SECTION 7: HANDLING AND STORAGE

##### 7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes and skin. Wash thoroughly after handling. Use in well-ventilated areas.

##### 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



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### SECTION 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:** Wear eye protection.  
Safety glasses or goggles (EN166).

**Hand Protection:** Protective gloves not required with normal use.  
In case of prolonged use or sensitive skin, chemical resistant gloves are recommended (EN 374)  
Protective gloves should be selected according to the application and duration of use. Workplace selection should take into consideration handling requirements, physical requirements and exposure to other substances.

**Respiratory Protection:** Under normal use of this product, respiratory protection not necessary. 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 with multi-purpose combination filter. (E.g. - EN 14387- ABEK)

**Hygiene Measures:** Do not eat, drink or smoke when using this product.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Clear, colourless
Odour:	No added fragrance
Melting point/Freezing point:	No test data available
Boiling point/Boiling range:	No test data available
Flammability:	Does not maintain combustion.
Lower and upper explosion limits:	No test data available
Flash Point:	> 93 °C [Method: Closed cup, ASTM D 56]
Auto-ignition temperature:	No test data available
Decomposition temperature:	No test data available
pH:	2.5 (as supplied) [Method: ASTM E 70]
Kinematic viscosity:	< 10 centipoise @ 20°C [Method: Rotational viscometer, Brookfield]
Solubility:	Water, completely soluble
Partition coefficient n-octanol/water [log Pow]:	No test data available
Vapor pressure:	No
Density:	1.04 kg/L @ 20°C [Method: Pycnometer, ASTM D 1475]
Relative vapor density:	No test data available
Particle characteristics:	Not applicable to liquids

#### 9.2 OTHER INFORMATION

##### 9.2.1 - Information with regard to physical hazard class:

Oxidising properties: Not established  
Explosive properties: Not established

##### 9.2.2 - Other safety characteristics:

Relative evaporation rate (butylacetate=1): No test data available  
VOC: 0%

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**ENVIROSTAR™ MILD ACID WASHROOM CLEANER****SECTION 10: STABILITY AND REACTIVITY**

- 10.1 REACTIVITY:** Stable under normal conditions.
- 10.2 CHEMICAL STABILITY:** Stable under normal conditions.
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** None known under normal conditions.
- 10.4 CONDITIONS TO AVOID:** None known under normal conditions.
- 10.5 INCOMPATIBLE MATERIALS:** Do not mix with other chemicals unless stated on the product label.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** None known

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) 1272/2008**

**ACUTE TOXICITY:** Toxicity testing has not been completed on the mixture.  
Based on available data, the classification criteria are not met.

ATE<sub>mix</sub> (oral): > 2000 mg/kg  
ATE<sub>mix</sub> (dermal): > 2000 mg/kg  
ATE<sub>mix</sub> (inhalation): > 20 mg/l (4 hr/vapour)

Component	CAS #	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation-Rat (mg/l)
citric acid	77-92-9	5400	> 2000	not available

- SERIOUS EYE DAMAGE/IRRITATION:** Classified as Eye Irritation - Category 2  
Causes serious eye irritation.
- 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.

**11.2 INFORMATION ON OTHER HAZARDS**

- 11.2.1 Endocrine disrupting properties:** None known
- 11.2.2 Other information:** Effects and symptoms related to this mixture, if any, are listed in Section 4.2

**SECTION 12: ECOLOGICAL INFORMATION**

- 12.1 TOXICITY:** Ecological testing has not been completed on the mixture.  
Based on available data, the classification criteria are not met.
- 12.2 PERSISTANCE AND DEGRADABILITY:** Testing has not been completed on the mixture.
- 12.3 BIOACCUMULATIVE POTENTIAL:** Testing has not been completed on the mixture.
- 12.4 MOBILITY IN SOIL:** Testing has not been completed on the mixture.
- 12.5 RESULTS OF PBT AND vPvB ASSESSMENT:** Not applicable
- 12.6 ENDOCRINE DISRUPTING PROPERTIES:** None known
- 12.7 OTHER ADVERSE EFFECTS:** No additional information available.



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### SECTION 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\* - Detergents containing hazardous substances.

### SECTION 14: TRANSPORT INFORMATION

Product is not regulated as hazardous for transport.

- 14.1 **UN NUMBER:** None  
14.2 **UN PROPER SHIPPING NAME:** None  
14.3 **TRANSPORT HAZARD CLASSES:** None  
14.4 **PACKING GROUP:** None  
14.5 **ENVIRONMENTAL HAZARDS:** None  
14.6 **SPECIAL PRECAUTIONS:** None  
14.7 **MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS:** Product is not transported in bulk.

### SECTION 15: REGULATORY INFORMATION

#### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MIXTURE

Does not contain substances or labelled product uses subject to REACH Annex XVII restriction.

See Annex XVII of Regulation (EC) 1907/2006 for Designation of the substances and Conditions of restriction.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to EU 649/2012

Contains no substance subject to EU 2019/1021

#### Detergent Regulation: 648/2004

Labeling of contents

Component	%
non-ionic surfactants, preservative	< 5%

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.

- 15.2 **CHEMICAL SAFETY ASSESSMENT:** No information available.

### SECTION 16: OTHER INFORMATION

#### REVISION INFORMATION:

30-Sep-2024 - Revisions per EU 2020/878- § 2, 9,11, 12, 14, 15 & 16

#### ABBREVIATIONS:

ACGIH	American Conference of Governmental Industrial Hygienists
ADR SP	Agreement concerning the International Carriage of Dangerous Goods by Road Special Provision
ATE	Acute Toxicity Estimate
CAS No.	Chemical Abstract Service Number
CLP	Classification Labeling Packaging Regulation (EC) 1272/2008
EC50	Median Effective Concentration.
EC No.	European Union Identification Number
IATA SP	International Air Transport Association Special Provision
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation, (EC) 1907/2006
SDS	Safety Data Sheet



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STEL Short-Term Exposure Limit  
TWA Time Weighted Average  
UFI Unique Formula Identifier  
UN United Nations  
VOC Volatile Organic Compound  
vPvB Very Persistent and Very Bioaccumulative

### CLASSIFICATION ACCORDING TO EC 1272/2008:

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008:		
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Eye Irritation - Category 2	H319	Calculation method
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### FULL TEXT OF HAZARD STATEMENTS:

H335 May cause respiratory irritation.

### FULL TEXT OF PRECAUTIONARY STATEMENTS:

Safety data sheet available on request.

### ISSUED BY:

Chemical/R&D Department  
Amano Pioneer Eclipse Corporation

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