



# SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2015/830

Issued: July 18, 2016

Supersedes: June 7, 2016

## ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

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

#### 1.1 PRODUCT IDENTIFIER

Product Name: EnviroStar Green All Purpose Neutralizer Product Number: 338

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

Product intended for commercial and industrial use only.  
Intended Use: Water based alkalinity neutralizer 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/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.	CLP Classification	
				Hazard Class	Hazard Statement(s)*
citric acid	201-069-1	7 - 13	77-92-9	Eye Irrit 2†	H319

†Classification provided by vendor. Harmonized classification not available.

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



## SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2015/830

Issued: July 18, 2016

Supersedes: June 7, 2016

### ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

#### SECTION 4: FIRST AID MEASURES

##### 4.1 DESCRIPTION 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.

#### SECTION 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: 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. 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, skin and clothing. 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



## SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2015/830

Issued: July 18, 2016

Supersedes: June 7, 2016

### ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

#### 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: Safety eyewear is recommended, to avoid exposure to chemical splashes and mists. Safety glasses or goggles (EN166).

Hand Protection: Chemical resistant gloves are recommended. (EN374).  
Protective index 6, Breakthrough time > 480 mins. (E.g. - nitrile gloves, 0.11 mm thickness)  
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.

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 with multi-purpose combination filter. (E.g. - EN 14387- ABEK)

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance:	colorless liquid	
Odor:	no added fragrance	
Odor Threshold:	No test data available	
pH:	2.5 (as supplied)	[Method: ASTM E 70]
Melting Point/Freezing Point:	No test data available	
Initial boiling point/boiling range:	No test data available	
Flash Point:	> 93 °C	[Method: Closed cup, ASTM D 56]
Evaporation Rate:	No test data available	
Flammability (solid, gas)	Not applicable to liquids	
Upper/lower flammability/explosive limits:	No test data available	
Vapor Pressure:	No test data available	
Vapor Density:	No test data available	
Relative Density:	1.05 kg/L @ 20°C	[Method: Pycnometer, ASTM D 1475]
Solubility:	miscible in water	
Partition Coefficient (n-octanol/water):	No test data available	
Auto Ignition temperature:	No test data available	
Decomposition Temperature:	No test data available	
Viscosity:	< 5 centipoise @ 20°C	[Method: Rotational viscometer, Brookfield]
Explosive Properties:	None	
Oxidizing properties:	None	

##### 9.2 OTHER INFORMATION

VOC: 0.04% (as supplied), < 0.01% (1:10, 1:64, 1:128)

#### SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY: None known

10.2 CHEMICAL STABILITY: Stable under normal conditions.

**SAFETY DATA SHEET**

Conforms to 1907/2006/EC - (EU) 2015/830

Issued: July 18, 2016

Supersedes: June 7, 2016

**ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER**

- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** None expected
- 10.4 CONDITIONS TO AVOID:** None known
- 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 TOXICOLOGICAL EFFECTS**

- ACUTE TOXICITY:** Toxicity testing has not been completed on the mixture.
- ATE<sub>mix</sub> (oral): > 2000 mg/kg Based on available data, the classification criteria are not met.
- 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)	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:** Causes serious eye 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.

**11.2 POTENTIAL ADVERSE HEALTH EFFECTS**

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.
- 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 OTHER ADVERSE EFFECTS:** None known
- 12.7 ADDITIONAL INORMATION:** Based on available data, the classification criteria are not met.

**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 dangerous substances



## SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2015/830

Issued: July 18, 2016

Supersedes: June 7, 2016

### ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

#### SECTION 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
- 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

#### SECTION 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: No additional national regulations are known to the supplier.

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

#### SECTION 16: OTHER INFORMATION

##### REVISION INFORMATION:

July 18, 2016 - Minor edits § 8 & 13

##### ABBREVIATIONS:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

##### FULL TEXT OF HAZARD STATEMENTS:

No additional hazard statements.

##### FULL TEXT OF PRECAUTIONARY STATEMENTS:

Safety data sheet available on request.

##### ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation