



SAFETY DATA SHEET

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

Issued: 01 Nov 2022

Supersedes: 30 July 2020

ENVIROSTAR™ ALL PURPOSE NEUTRALIZER

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

1.1 PRODUCT IDENTIFIER

Product Name: EnviroStar All Purpose Neutralizer Product Number: 338L5

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

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.
Not classified as hazardous.

2.2 LABEL ELEMENTS

Signal Word: None
Hazard pictogram(s): None
Hazard Statement(s): None
Precautionary Statement(s): None

2.3 OTHER HAZARDS

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 SUBSTANCES/MIXTURES

Ingredient	EC No.	Weight %	CAS No.	REACH-No.	CLP Classification	
					Hazard Class	Hazard Statement(s)*
2-Hydroxypropane-1,2,3-tricarboxylic acid	201-069-1	5 - < 10	77-92-9	01-2119457026-42	Eye Irrit 2	H319

*See section 16 for the full text of (EU) Hazard Statements

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Eye Contact: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Seek medical advice if irritation persists.

Skin Contact: Wash with mild soap and water. If irritation develops, seek medical attention.

Inhalation: If breathing is difficult: Remove subject to fresh air.

Ingestion: Rinse mouth and drink water. DO NOT induce vomiting unless directed to do so by medical personnel. Call a physician or poison control center immediately and show bottle or label.



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4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Not expected to produce significant adverse health effects when recommended use instructions are followed.

Eye Contact: May cause slight irritation.

Skin Contact: None expected under normal use.

Inhalation: None expected under normal use.

Ingestion: May cause irritation of the linings of the mouth, throat and gastrointestinal tract.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

In case of any doubt or when irritation occurs or persists seek medical advice. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

All known extinguishants can be used.

5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

The product itself does not maintain combustion.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Material spilled on hard surface can present a serious slipping/falling hazard.

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 - Personal precautions

Refer to Section 7 of the SDS - Precautions in handling and storage

Refer to Section 13 of the SDS - Waste disposal recommendations

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

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Workplace Exposure Limits: Components do not have established work exposure limits.



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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 Protection: Under normal use of this product, eye protection not necessary. If there is a risk of liquid being splashed: Wear eye protection. Safety glasses or goggles (EN166).

Hand Protection: This product is not classified as dangerous for the skin and therefore no protection gloves are necessary when this product is used. In case of prolonged use or sensitive skin, where irritation is possible, it would be recommended to use gloves. (EN374)
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:	Colourless
Odour:	no added fragrance
Melting point/Freezing point:	± 0 °C
Boiling point/Boiling range:	± 100°C
Flammability:	Does not maintain combustion.
Lower and upper explosion limits:	No test data available
Flash Point:	> 95°C
Auto-ignition temperature:	No test data available
Decomposition temperature:	No test data available
pH:	2.1 - 2.6
Kinematic viscosity:	< 10 mm ² /s
Solubility:	Water, completely soluble
Partition coefficient n-octanol/water [log Pow]:	-0.97 (calculated value)
Vapor pressure:	23.4 hPa
Density:	1.04 g/cm ³
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):	< 1
VOC:	0.03%

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY: Stable under normal conditions.

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- 10.2 CHEMICAL STABILITY:** Stable under normal conditions.
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** None expected under normal conditions.
May react with alkalis: release of heat.
- 10.4 CONDITIONS TO AVOID:** None under normal conditions.
Do not mix with bleach or other alkaline cleaning products.
- 10.5 INCOMPATIBLE MATERIALS:** Chlorine-base bleaching agents. Bases.
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 BY REGULATION (EC) 1272/2008**

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

ATE_{mix} (oral): > 2000 mg/kg

ATE_{mix} (dermal): > 2000 mg/kg

ATE_{mix} (inhalation): > 20 mg/l (4 hr/vapour)

Based on criteria 3.1.3 from (EC) 1272/2008, the Acute Toxicity classification criteria are not met. Components details are given below:

Component	CAS #	LD50 Oral	LD50 Dermal	LC50 Inhalation (Dust/Mist)
2-Hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	3000 mg/kg	> 2000 mg/kg	data not available

SKIN CORROSION/IRRITATION: Based on available data, the classification criteria are not met.

SERIOUS EYE DAMAGE/IRRITATION: Based on available data, the classification criteria are not met.

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: No additional information available

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY: Ecological testing has not been completed on the mixture.

Based on criteria 4.1.3 of (EC) 1272/2008 this product is not dangerous to the environment. Components that are dangerous to the environment are mentioned below.

Component	CAS #	LC50 fish (96 h)	EC50 Daphnia (48 h)	EC50 algae (72 h)
2-Hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	440-760 mg/l	120 mg/l	data not available

12.2 PERSISTANCE AND DEGRADABILITY:

Component	CAS #	Biodegradability
2-Hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	Readily biodegradable



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12.3 BIOACCUMULATIVE POTENTIAL:

Product / Component	CAS #	octanol/water (Log Pow)
EnviroStar All Purpose Neutralizer	mixture	-0.97 (calculated)
2-Hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	-1.64

12.4 **MOBILITY IN SOIL:** No additional information available

12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

EnviroStar All Purpose Neutralizer	This mixture does not meet the PBT criteria of REACH regulation, Annex XIII. This mixture does not meet vPvB criteria of REACH regulation, Annex XIII.
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12.6 **ENDOCRINE DISRUPTING PROPERTIES:** None known

12.7 **OTHER ADVERSE EFFECTS:** No additional information available.

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: 16 03 06 - organic waste other than those mentioned in 16 03 05

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 **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

Contains no substances with Annex XVII restrictions

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

15.2 CHEMICAL SAFETY ASSESSMENT:

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

01 Nov 2022 - Revisions per (EU) 2020/878; § 5, 8, 9, 11, 12, 13, 14 & 16

ABBREVIATIONS:

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
IMO	International Maritime Organization
LC50	Median Lethal Concentration
LD50	Median Lethal Dose



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PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation, (EC) 1907/2006
SDS	Safety Data Sheet
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:

Product is not classified as hazardous.

FULL TEXT OF HAZARD STATEMENTS:

H319 Causes serious eye irritation.

FULL TEXT OF PRECAUTIONARY STATEMENTS:

EUH210 Safety data sheet available on request.

ISSUED BY:

Chemical/R&D Department
Amano Pioneer Eclipse Corporation

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