

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

Importer:

Eclipse Floor Solutions Pty Ltd

41-43 Steel Street

Capalaba

Queensland 4157

Telephone: (07) 3390 3027

Email: info@eclipsefloorsolutions.com.au

Internet: www.eclipsefloorsolutions.com.au

1.4 EMERGENCY TELEPHONE NUMBER

For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident Call:

The Australian Poisons Information Hotline All States 24 Hour Ph: 13 11 26

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

This mixture has been classified according to Safe Work Australia criteria.

Eye Irritation - Category 2

2.2 LABEL ELEMENTS

Signal Word: Warning

Hazard pictogram(s):  [Exclamation mark]

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. | Classification | |
|-------------|-----------|----------|---------|---|----------------------|
| | | | | Hazard Class | Hazard Statement(s)* |
| citric acid | 201-069-1 | 7 - 13 | 77-92-9 | Eye Irrit 2A Skin Irrit 2 STOT-SE 3 | H319 H315 H335 |



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**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: 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

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

5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Hazardous combustion products: CO, CO₂

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.

HAZCHEM Code: Not applicable

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 and 13 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.

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7.3 SPECIFIC END USE(S): No information available

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 chemical splashes and mists. Safety glasses or goggles (EN166).

Hand Protection: Chemical resistant gloves are recommended. (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.

Skin Protection: No special requirements under normal use

Respiratory Protection: No special requirements under normal use.

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. |
| 10.3 POSSIBILITY OF HAZARDOUS REACTIONS: | None known |
| 10.4 CONDITIONS TO AVOID: | None known |

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

Based on available data, the classification criteria are not met.

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

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

| Component | CAS # | LD50 Oral-Rat (mg/kg) | LD50 Dermal - Rabbit (mg/kg) | LC ₅₀ 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 EXPOSURE:

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 PERSISTENCE 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 OTHER ADVERSE EFFECTS: None known

12.6 ADDITIONAL INFORMATION: Classification criteria, for environmental hazards, are not met.

SECTION 13: DISPOSAL CONSIDERATIONS

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

During disposal activities, refer to Section 8 for relevant exposure controls and PPE requirements.

SECTION 14: TRANSPORT INFORMATION

This mixture is not classified as a dangerous good in accordance with ADG 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

SECTION 15: REGULATORY INFORMATION

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

AICS STATUS: Ingredients are listed on AICS inventory or are exempt.

POISON SCHEDULE: Ingredients are not listed with a poison schedule number.
(SUSMP)

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

June 7, 2016 - Revisions in accordance WHS regulations.

ABBREVIATIONS:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

AICS - Australian Inventory of Chemical Substance

SUSMP - Standard for the Uniform Scheduling of Medicines and Poisons

FULL TEXT OF HAZARD STATEMENTS:

None

FULL TEXT OF PRECAUTIONARY STATEMENTS:

Safety data sheet available on request.

ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation