

### ENVIROSTAR GREEN® GLASS & SURFACE CLEANER

#### I. IDENTIFICATION OF THE SUBSTANCE/MIXTURE (PREPARATION) AND OF THE COMPANY/UNDERTAKING

**Product Name:** EnviroStar Green® Glass & Surface Cleaner  
**Product Use:** Water-based glass & surface cleaner concentrate

**Product Number:** 331

**Manufacturer Address:**  
Amano Pioneer Eclipse Corp.  
P.O. Box 909  
1 Eclipse Road  
Sparta, NC 28675 USA

**Contact Information:**  
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**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

This mixture (preparation) has been classified and labeled according to EC 1272/2008 (1999/45/EC).

**EU Classification:** Not classified as hazardous (dangerous)  
**Hazard pictogram (symbol):** None  
**Hazard Statements (R- Phrases):** None  
**Precautionary Statements (S- phrases):** None

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This mixture (preparation) does not contain hazardous ingredients, as determined by EC 1272/2008 (1999/45/EC).

#### 4. FIRST AID MEASURES

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

##### EFFECTS AND SYMPTOMS

**Inhalation:** None expected under normal use.  
**Ingestion:** None expected under normal use.  
**Skin contact:** None expected under normal use.  
**Eye contact:** None expected under normal use.

##### FIRST AID MEASURES

**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.  
**Skin contact:** Wash off with plenty of water. If irritation develops, seek medical attention.  
**Eye contact:** Rinse with plenty of water. If irritation develops, seek medical attention.

#### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Dry chemical, water spray, foam, carbon dioxide  
**Hazardous combustion products:** None  
**Unusual fire and explosion hazards:** Materials can splatter above 100°C/212°F.  
**Special fire fighting procedures:** No special fire fighting procedures recommended.

#### 6. ACCIDENTAL RELEASE MEASURES

*Put on appropriate personal protective equipment (see Section 8).*

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

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#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapours or spray mists. Remove and wash contaminated clothing and footwear before re-use.

**Storage:** Storage temperature (Max. 60°C/140°F) (Min. 1°C/34°F). Keep from freezing, product may coagulate. Keep container sealed when not in use. Keep out of reach of children.

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure limit values:** None

**Exposure controls:** Ensure adequate general ventilation.

**Environmental exposure controls:** No specific environmental exposure controls required.

#### PERSONAL PROTECTION

**Respiratory protection:** No specific personal protection is required.

**Hand protection:** Rubber gloves recommended

**Eye protection:** Safety glasses recommended

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

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance :</b> Colorless liquid	<b>Odor:</b> no fragrance added
<b>Odor threshold:</b> N/E	<b>pH:</b> 9.0 ± 0.5
<b>Melting point/Freezing Point:</b> N/A	<b>Initial boiling point/boiling range:</b> 100°C
<b>Flash point:</b> none	<b>Evaporation Rate:</b> less than water
<b>Upper/lower flammability/explosive limits:</b> N/A	<b>Vapor pressure:</b> less than water
<b>Vapor density:</b> greater than air	<b>Relative density:</b> 1.01 kg/L @ 20°C
<b>Solubility:</b> 100% soluble in water	<b>Partition coefficient (n-octanol/water):</b> N/E
<b>Auto-ignition temperature:</b> N/A	<b>Decomposition temperature:</b> N/E
<b>Viscosity:</b> less than 10 cps @ 20°C	<b>Explosive Properties:</b> N/A
<b>Oxidizing properties:</b> Not an oxidizer	<b>Other information:</b> N/A

#### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions

**Hazardous Reactions:** None known

**Conditions to avoid:** None known

**Incompatible materials:** None known

**Hazardous decomposition products:** None known

#### 11. TOXICOLOGICAL INFORMATION

Toxicity testing has not been completed on the mixture.

#### LOCAL EFFECTS

**Skin contact:** May be slightly irritating upon repeated contact.

**Eye Contact:** May be slightly irritating.

**Sensitization:** None expected

**Chronic effects:** None expected

#### SPECIFIC EFFECTS

**Carcinogenicity:** None known

**Reproductive effects:** None known

**Teratogenicity:** None known

**Mutagenicity:** None known

#### 12. ECOLOGICAL INFORMATION

Ecological testing has not been completed on the mixture.

#### 13. DISPOSAL CONSIDERATIONS

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

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#### 14. TRANSPORT INFORMATION

Not regulated for transport.

#### 15. REGULATORY INFORMATION

**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.

#### 16. OTHER INFORMATION

##### Detergent/Cleaner Labeling: (648/2004)

<5% - preservative

5-<15% - non-ionic surfactant

##### Abbreviations:

N/A = Not Applicable

N/E = Not Established

N/L = Not Listed

##### Issued by:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation

##### Revision Information:

04/01/2011 – revision conforming to 1907/2006/EC amendment 453/2010, corrections to Section 3 & 9 (density)