

ENVIROSTAR GREEN® SOIL RELEASE BONNET BUFF

I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: EnviroStar Green Soil Release Bonnet Buff **Product Number:** 835
Product Use: Water based carpet bonnet buff cleaner concentrate

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

Contact Information:
 Telephone: +1 336 372 8080
 Internet: www.pioneer-eclipse.com
 E-mail: msds@pioneer-eclipse.com

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 preparation has been classified and labeled according to 1999/45/EC.

EU Classification: Not classified as dangerous
Hazard symbol: None
Risk phrases: None
Safety phrases: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Dangerous Ingredients	EC No.	Weight %	CAS No.	Symbol	R-phrases *
ammonium hydroxide	215-647-6	0.1 – 1.0	1336-21-6	C (Corrosive) Xi (Irritant) N (Dangerous for the Environment)	R34 R36/37/38 R50

* see section 16 for the full text of R-phrases

4. FIRST AID MEASURES

This 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.

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

Appearance : Clear, amber liquid	Odor: no fragrance added
Odor threshold: N/E	pH: 8.0 ± 0.5
Melting point/Freezing Point: N/A	Initial boiling point/boiling range: 100°C
Flash point: None	Evaporation Rate: less than water
Upper/lower flammability/explosive limits: N/A	Vapor pressure: less than water
Vapor density: Greater than air	Relative density: 1.03 kg/l @ 20°C
Solubility: 100% soluble in water	Partition coefficient (n-octanol/water): N/E
Auto-ignition temperature: N/A	Decomposition temperature: N/E
Viscosity: <20 centipoise @ 20°C	Explosive Properties: N/A
Oxidizing properties: Not an oxidizer	Other information: N/A

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Hazardous Reactions: None known

Conditions to avoid: None known

Incompatible materials: Strong acids and bases.

Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

PREPARATION SUMMARY - Toxicity testing has not been completed on the mixture.

LOCAL EFFECTS

Skin contact: None expected

Eye Contact: None expected

Sensitization: None expected

Chronic effects: None expected

SPECIFIC EFFECTS

Carcinogenicity: None known

Reproductive effects: None known

Teratogenicity: None known

Mutagenicity: None known

COMPONENT SUMMARY *

ammonium hydroxide CAS# 1336-21-6

LD₅₀: (oral, rat) 350 mg/kg

Potential Health Effects

Eye: Vapors cause irritation.

Skin: Causes irritation and burns to the skin.

Ingestion: May cause corrosion to the esophagus and stomach.

Inhalation: Vapors and mists cause irritation to the respiratory tract.

Chronic: Repeat exposure may cause damage to the mucous membranes, respiratory tract, eyes and skin.

Carcinogenicity: Not listed as a carcinogen.

*Component data recorded from available sources pertaining to individual component CAS number.

12. ECOLOGICAL INFORMATION

PREPARATION SUMMARY - Ecological testing has not been completed on the mixture.

COMPONENT SUMMARY *

ammonium hydroxide CAS# 1336-21-6

LC50, 96 hr fathead minnow 8.2 mg/l

EC50 48 hr Daphnia magna 0.66 mg/l

Environmental Fate: Not expected to bioaccumulate.

*Component data recorded from available sources pertaining to individual component CAS number.

13. DISPOSAL CONSIDERATIONS

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

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)**

15- <30% - anionic surfactants

Relevant R (Risk) phrases:

R34- Causes burns.

R36/37/38- Irritating to eyes, respiratory system and skin.

R50- Very toxic to aquatic organisms.

Relevant S (Safety) phrases:

S1/2- Keep locked up and out of the reach of children.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39- Wear suitable gloves and eye/face protection.

S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61- Avoid release to the environment. Refer to special instructions/safety data sheets.

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, revision to section 3, 9 & 12