

ENVIROSTAR GREEN® SPRAY & WIPE DEGREASER

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

Product Name: EnviroStar Green® Spray & Wipe Degreaser
Product Use: Water Based Cleaner Concentrate

Product Number: 332

Manufacturer Address:
 Amano Pioneer Eclipse Corp.
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 Sparta, NC 28675 USA


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

EU Classification: Classified as an Irritant

Hazard symbol: 
Irritant

Risk phrases: R36/37/38- Irritating to eyes, respiratory system and skin.
 R22- Harmful if swallowed.

Safety phrases: S2- Keep out of the reach of children.
 S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28- After contact with skin, wash immediately with plenty of water.
 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.)

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients | EC No. | Weight % | CAS No. | Symbol | R-phrases * |
|-----------------------|-----------|----------|-----------|--|---------------------------|
| caustic potash | 215-181-3 | 1 – 5 | 1310-58-3 | Xn (Harmful) C (Corrosive) Xi (Irritant) | R22 R34, R35 R36/38 |

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

4. FIRST AID MEASURES

EFFECTS AND SYMPTOMS

Inhalation: May cause respiratory tract irritation.
Ingestion: May cause irritation to digestive tract.
Skin contact: May cause skin irritation.
Eye contact: May cause eye irritation.

FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion: Do not induce vomiting! Immediately drink plenty of water or milk. Never give anything by mouth to an unconscious person. Seek medical attention immediately.
Skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.
Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). Get medical attention if irritation persists.

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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: None

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. 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:

| Component Name: | Source / Date | Value / Units | Type |
|--------------------------------------|-------------------|---------------------|---------|
| caustic potash (potassium hydroxide) | US (ACGIH) / 2010 | 2 mg/m ³ | Ceiling |
| caustic potash (potassium hydroxide) | OSHA (US)/2010 | 2 mg/m ³ | Ceiling |

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, colorless liquid
Odor threshold: N/E
Melting point/Freezing Point: 0°C
Flash point: > 93 °C (TCC)
Upper/lower flammability/explosive limits: N/E
Vapor density: greater than air
Solubility: 100% soluble in water
Auto-ignition temperature: N/E
Viscosity: <10 cps @ 20°C
Oxidizing properties: Not an oxidizer

Odor: No added fragrance
pH: 10.5 ± 0.5
Initial boiling point/boiling range: 100°C
Evaporation Rate: Less than water
Vapor pressure: Less than water
Relative density: 1.06 kg/L @ 20°C
Partition coefficient (n-octanol/water): N/E
Decomposition temperature: N/E
Explosive Properties: N/E
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: None known
Hazardous decomposition products: None known

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11. TOXICOLOGICAL INFORMATION

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

LOCAL EFFECTS

Skin contact: May cause skin irritation.
Eye Contact: May cause eye irritation.
Sensitization: None known
Chronic effects: None known

SPECIFIC EFFECTS

Carcinogenicity: None known
Reproductive effects: None known
Teratogenicity: None known
Mutagenicity: None known

COMPONENT SUMMARY *

caustic potash CAS# 1310-58-3

LD₅₀: (oral, rat) 273 mg/kg

Potential Health Effects

Eye: Can cause severe irritation.
Skin: May cause severe irritation and corrosion of tissue.
Ingestion: May cause irritation, corrosion/ulceration, nausea and vomiting.
Inhalation: Will cause irritation.
Chronic: May cause dermatitis on skin, visual disturbances.
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 *

caustic potash CAS# 1310-58-3

LC₅₀, 96 hr mosquito fish 80 mg/l

LC₅₀, 24 hr guppy 165 mg/l

Environmental Fate: Inorganic substance; not subject to biodegradation. Material exhibits slight toxicity to terrestrial organisms and moderate toxicity to aquatic organisms.

*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:
 EC/648/2004

The surfactant contained in this preparation complies 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.

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16. OTHER INFORMATION

R (Risk) phrases:

R22- Harmful if swallowed.
R34- Causes burns.
R35- Cause severe burns.
R36/37/38- Irritating to eyes, respiratory system and skin.

S (Safety) phrases:

S2- Keep out of the reach of children.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28- After contact with skin, wash immediately with plenty of water.
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible.)

Detergent/Cleaner Labeling (648/2004/EC)

Anionic surfactant (<5%), Non-ionic surfactant (<5%)

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 – revisions conforming to 1907/2006/EC amendment 453/2010
01/11/2010 – revisions conforming to 1907/2006/EC, 1999/45/EC