

ECLIPSE NEUTRAL ALL PURPOSE CLEANER

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

Product Name: Eclipse Neutral All Purpose Cleaner

Product Number: 301DD

Product Use: All-purpose water based cleaner

Manufacturer Address:

Amano Pioneer Eclipse Corp.
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 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 preparation has been classified and labeled according to 1999/45/EC.

EU Classification: Not classified as dangerous

Hazard symbol: None

Risk phrases: Contains d-Limonene. May produce an allergic reaction.

Safety phrases: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Dangerous Ingredients	EC No.	Weight %	CAS No.	Symbol	R-phrases *
Diethanolamine	203-868-0	0.5 – 1.5	111-42-2	Xn (Harmful) Xi (Irritant)	R 22, R48/22 R38, R41
d-Limonene	227-813-5	0.1 – 1.0	5989-27-5	Xi (Irritant) N (Dangerous for the Environment)	R10, R38, R43, R50/53

* 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.

ECLIPSE NEUTRAL ALL PURPOSE CLEANER

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 limits:

Component Name:	Source / Date	Value / Units	Type
Diethanolamine	(US) ACGIH 2010	0.2 ppm	IFV SKIN

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: pink, viscous liquid	Odor: slight lemon
Odor threshold: N/E	pH: 9.0
Melting point/Freezing Point: N/A	Initial boiling point/boiling range: 100°C
Flash point: > 93°C	Evaporation Rate: less than water
Upper/lower flammability/explosive limits: N/A	Vapor pressure: less than water
Vapor density: Greater than air	Relative density: 1.04 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: 200 centipoise @ 20°C	Explosive Properties: N/A
Oxidizing properties: Not an oxidizer	VOC: 0%

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: May be mildly irritating

Eye Contact: May be mildly irritating

Sensitization: None expected

Chronic effects: None expected

SPECIFIC EFFECTS

Carcinogenicity: None known

Reproductive effects: None known

Teratogenicity: None known

Mutagenicity: None known

ECLIPSE NEUTRAL ALL PURPOSE CLEANER

COMPONENT SUMMARY *

Diethanolamine CAS# 111-42-2

LD₅₀: (oral, rat) 620µl/kg

Potential Health Effects

Eye: May cause severe irritation.

Skin: Repeated or prolonged contact can cause redness and irritation.

Ingestion: Low toxicity if swallowed. May result in gastrointestinal irritation or ulceration.

Inhalation: Vapor exposure at room temperature is minimal. At elevated temperatures, may cause respiratory irritation.

Chronic: Not determined.

Carcinogenicity: Listed as ACGIH A3, IARC 3.

d- Limonene CAS# 5989-27-5

LD₅₀: (oral, rat) 4400 mg/kg

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: May cause digestive tract disturbances.

Inhalation: May cause respiratory tract irritation.

Chronic: No data available.

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 *

Diethanolamine CAS# 111-42-2

LC50, 96 hr - Pimephales promelas 4460-4980 mg/l

EC50, 48 hr - Daphnia magna 55 mg/l

Environmental Fate: Material is readily biodegradable. Bioconcentration potential is low.

d- Limonene CAS# 5989-27-5

LC50, 96 hr fathead minnow 702 mg/l (flow-through)

Environmental Fate: May cause long-term adverse effects on the environment.

*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. Follow all local, regional and national regulations regarding transport of non-hazardous chemical products.

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.

ECLIPSE NEUTRAL ALL PURPOSE CLEANER

16. OTHER INFORMATION

R (Risk) phrases:

R10 – Flammable.

R22 – Harmful if swallowed.

R38 – Irritating to skin.

R41 – Risk of serious damage to eyes.

R43 – May cause sensitization by skin contact.

R48/22 – Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S (Safety) phrases:

S2 – Keep out of the reach of children

S24 – Avoid contact with skin.

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

S36/37/39 – Wear suitable gloves and eye/face protection.

S46 – If swallowed, seek medical advice immediately and show this container or label.

S60 – This material and its container must be disposed of as hazardous waste.

S61 – Avoid release to the environment. Refer to special instructions/Safety Data Sheet.

Detergent/Cleaner Labeling: (648/2004):

<5% - anionic surfactant, perfume

>15%-<30% - non-ionic surfactant

>0.1%-<1% - d-limonene allergenic fragrance

Product intended for COMMERCIAL AND INDUSTRIAL USE ONLY.

Abbreviations:

N/A = Not Applicable

N/E = Not Established

N/L = Not Listed

IFV = Inhalable fraction and vapor

IARC 3 = Unclassifiable as to carcinogenicity in humans

ACGIH 3A = Confirmed animal carcinogen with unknown relevance to humans

Issued by:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation

Revision Information:

08/18/2011 – revision conforming to 1907/2006/EC amendment 453/2010