

STARSHINE® ALL PURPOSE CLEANER
I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: StarShine All Purpose Cleaner
Product Use: Solvent free all-purpose cleaner

Product Number: 312

Manufacturer Address:
 Amano Pioneer Eclipse Corp.
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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: None
Safety phrases: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Dangerous Ingredients	EC No.	Weight %	CAS No.	Symbol	R-phrases *
Tetrasodium ethylene diamine tetraacetate	200-573-9	1 – 5	64-02-8	Xn (Harmful) Xi (Irritant)	R22 R41

* see section 16 for the full text of relevant 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.

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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

Appearance: clear purple liquid	Odor: fresh and clean fragrance
Odor threshold: N/E	pH: 11.0 ± 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 - 50 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: 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

COMPONENT SUMMARY *

Tetrasodium ethylene diamine tetraacetate CAS# 64-02-8

LD₅₀: (oral, rat) 3030 mg/kg

Potential Health Effects

Eye: Causes irritation of the eyes.
Skin: Causes irritation of the skin. Skin contact may produce burns.
Ingestion: Harmful if swallowed. Large amounts may cause gastric upset.
Inhalation: Inhalation may produce irritation of respiratory tract.
Chronic: Repeated or prolonged exposure can produce target organ damage.
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 *

Tetrasodium ethylene diamine tetraacetate CAS# 64-02-8

LC50, 96 hr - bluegill sunfish 490 mg/l

EC50, 24 hr - Daphnia magna 610 mg/l

Environmental Fate: Not known.

*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

R (Risk) phrases:

R22 – Harmful if swallowed.

R41 – Risk of serious damage to eyes.

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.

S/39 – Wear suitable eye/face protection.

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

Detergent/Cleaner Labeling: (648/2004):

<5% - anionic surfactant, non-ionic surfactant, EDTA, perfume

Abbreviations:

N/A = Not Applicable

N/E = Not Established

N/L = Not Listed

IFV = Inhalable fraction and vapor

Issued by:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation

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04/01/2011 – new issue conforming to 1907/2006/EC amendment 453/2010