

### STARSHINE ALL PURPOSE CLEANER

#### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: StarShine All Purpose Cleaner  
 Product Type: All purpose cleaner

Product Number: 312DTC

**Manufacturer Address:**

Amano Pioneer Eclipse Corporation  
 P.O. Box 909  
 1 Eclipse Road  
 Sparta, NC 28675

**Contact Information:**

Telephone: 1-336-372-8080  
 Email: msds@pioneer-eclipse.com  
 Internet: www.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

**OSHA status:** Hazardous- Irritant

**Precautions:** Warning. Skin and eye irritant. Keep container closed when not in use.  
 Keep out of reach of children.

**Potential Health Effects:**

**Eye Contact:** Irritating to eyes.  
**Skin Contact:** Irritating to skin.  
**Inhalation:** Spray mist may cause irritation to nose, throat and lungs.  
**Ingestion:** May cause irritation to mouth, esophagus and stomach.

**Health: 2**  
**Flammability: 0**  
**Reactivity: 0**

#### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient	CAS Number	Weight %
tetrasodium ethylene diamine tetraacetate	64-02-8	3 - 7
sodium hydroxide	1310-73-2	0.5 - 1.5

#### 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, flush eyes with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). If irritation persists seek medical attention.  
**Skin Contact:** In case of contact, wash skin with soap and plenty of water for at least 15 minutes. If irritation persists, seek medical attention.  
**Inhalation:** If breathing is difficult, remove subject to fresh air. If irritation persists, seek medical attention.  
**Ingestion:** If ingested, do not induce vomiting. Seek medical attention.

#### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemical, alcohol-type or universal type foams  
**Special Fire Fighting Procedures:** None  
**Hazardous Combustible Products:** N/A  
**Unusual Fire and Explosion Hazards:** Materials can splatter above 100° C / 212° F.

#### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Put on appropriate personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery; use care to avoid falling.  
**Environmental Precautions:** Keep spills and cleaning run-off out of sewers and open bodies of water.  
**Containment and Clean-Up**  
**Small Spills:** Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.  
**Large Spills:** 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.  
**Waste Disposal:** Landfill or incinerate the contaminated solids and diking material in accordance with local state and federal regulations concerning disposal of hazardous materials. Non-salvageable liquid should be drummed and turned over to a licensed hazardous waste disposal facility.

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#### 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes and skin. Wash thoroughly after handling. Use only in well-ventilated areas.  
**Storage:** Storage temperature ( Max. 60°C/140°F - Min. 1°C/34°F).  
**Other information:** Keep from freezing, product may coagulate. Keep container closed when not in use. Keep out of reach of children.

#### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Exposure Limits:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
sodium hydroxide	1310-73-2	N/E	2 mg/m <sup>3</sup> (Ceiling)	2 mg/m <sup>3</sup>	N/E

**Engineering Controls:** Ensure adequate general ventilation.  
**Personal Protective Equipment (PPE)**  
**Eye/Face Protection:** Safety glasses recommended.  
**Skin Protection:** Rubber gloves recommended.  
**Respiratory Protection:** None required when permissible airborne concentrations are not exceeded. In an emergency, use approved positive pressure self-contained breathing device.

#### 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> clear, purple liquid	<b>Odor:</b> Fresh and clean fragrance
<b>Odor Threshold:</b> N/E	<b>pH:</b> 11.8
<b>Freezing Point:</b> 32°F / 0°C	<b>Boiling Point:</b> 212 °F / 100 °C
<b>Flash Point:</b> >200 °F (>93 °C)	<b>Evaporation Rate:</b> less than water
<b>Flammability:</b> Non-combustible	<b>Upper/Lower Flammability limits:</b> N/E
<b>Vapor Pressure:</b> less than water	<b>Vapor Density:</b> greater than air
<b>Relative Density:</b> 8.8 lb/gal @ 68°F / 1.05 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/E
<b>Decomposition Temperature:</b> N/E	<b>Volatile by Weight:</b> 77%
<b>Viscosity:</b> < 50 centipoise at 68 °F (20°C)	<b>VOC:</b> 0.06% (as supplied)

#### 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.  
**Hazardous reactions:** None known  
**Conditions to avoid:** None known  
**Incompatible materials:** Strong acids (or bases) and oxidizing agents.  
**Hazardous decomposition products:** None known

#### 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not determined on product.

Component	LD50 Oral- Rat	LD50 Dermal - Rabbit (mg/kg)	LC <sub>50</sub> Inhalation- Rat (mg/l)	Carcinogenicity	CA - Prop 65
tetrasodium ethylene diamine tetraacetate	10 g/kg	N/A	N/A	N/L	N/L
sodium hydroxide	220 (50% solution)	1350	N/A	N/L	N/L

##### LOCAL EFFECTS

**Skin contact:** May cause irritation.  
**Eye contact:** May cause irritation.  
**Sensitization:** None expected  
**Chronic effects:** None expected

##### SPECIFIC EFFECTS

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

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#### 12: ECOLOGICAL INFORMATION

Ecological data not available.

#### 13: DISPOSAL CONSIDERATIONS

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

#### 14: TRANSPORT INFORMATION

This product is not classified as hazardous for transport.

#### 15: REGULATORY INFORMATION

##### U.S. Regulations/Reporting:

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
sodium hydroxide	1310-73-2	N/L	N/L	1000 lb RQ

##### State Right to Know Status:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
sodium hydroxide	1310-73-2	present	present	present	present

##### Canada Regulations/Reporting

WHMIS Hazard Symbol:



WHMIS hazard class: D2B

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the MSDS contains all of the information required by the *CPR*.

##### Ingredients required for disclosure:

Ingredient	CAS Number	Weight %	Classification
tetrasodium ethylene diamine tetraacetate	64-02-8	>1%	D2B
sodium hydroxide	1310-73-2	>1%	E

#### 16: OTHER INFORMATION

Product intended for commercial and industrial use only.

##### Abbreviations Used:

N/E - Not Established

N/A - Not available

N/L - Not Listed

##### Revision History:

09/19/2011- MSDS issue

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This MSDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

**\*\*IMPORTANT SAFETY INFORMATION\*\*DO NOT DISCARD\*\*PLEASE ROUTE TO COMPANY SAFETY OFFICER\*\***