

CLS HARD FLOOR CLEANER & MAINTAINER

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: CLS Hard Floor Cleaner & Maintainer
 Product Type: Concrete & terrazzo cleaner and maintainer

Product Number: 344

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.pioneereclipse.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 sealed 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 can 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 Ingredients	CAS Number	Weight %
Proprietary Ingredient (a)	Not Specified	10 - 30

(a) The specific product is not identified due to trade secret status.

4: FIRST AID MEASURES

Eye 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: Wash skin with soap and plenty of water. If irritation persists, seek medical attention.
Inhalation: Remove to fresh air. If symptoms persist, seek medical attention.
Ingestion: Do not induce vomiting! Give two glasses of water for dilution. Seek medical attention immediately.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, water, water fog, dry chemical, chemical foam
Special Fire Fighting Procedures: Keep containers cool with water spray to prevent container rupture due to steam buildup. Floor will become slippery if material is released. Material is slightly acidic and will irritate the eyes and skin, if product is allowed to directly contact the eyes.
Hazardous Combustible Products: Smoke, fumes or vapors, oxides of carbon.
Unusual Fire and Explosion Hazards: None

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on 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. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

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7: HANDLING AND STORAGE

Handling: Avoid contact with eyes and skin. Wash thoroughly after handling. Use in well-ventilated areas. Avoid breathing vapors or mists.

Storage: Storage temperature (Max. 60°C/140°F - Min. 1°C/34°F)

Other information: Keep from freezing. Keep container sealed 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
Proprietary Ingredient	Not specified	N/E	N/E	6 mg/m ³	N/E

Engineering Controls: Good general room ventilation is expected to be adequate. Local exhaust ventilation (e.g., fans) may be necessary when general ventilation does not keep airborne concentrations below any exposure limits.

Personal Protective Equipment (PPE)

Eye/Face Protection: Chemical splash goggles (ANSI Z87.1-1989 or approved equivalent)

Skin Protection: Rubber gloves recommended. If major exposure is possible, wear suitable protective clothing such as rubber boots, apron, etc.

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

Appearance: clear liquid	Odor: odorless
Odor Threshold: N/E	pH: 6.5
Freezing Point: 32°F / 0°C	Boiling Point: 212 °F / 100 °C
Flash Point: non-flammable	Evaporation Rate: less than water
Flammability: N/A	Upper/Lower Flammability limits: N/E
Vapor Pressure: 17 mm Hg @ 20 °C	Vapor Density: greater than air
Relative Density: 8.4 lb/gal @ 68 °F / 1.01 kg/L @ 20°C	Solubility: completely soluble in water
Partition Coefficient (n-octanol/water): N/E	Auto Ignition temperature: N/E
Decomposition Temperature: N/E	Volatile by Weight: N/E
Viscosity: <10 centipoise @ 68 °F (20°C)	

10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Hazardous reactions: None expected

Conditions to avoid: Extreme temperatures.

Incompatible materials: Strong oxidizers, strong acids

Hazardous decomposition products: Decomposition will not occur if handled and stored properly.

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not determined on product. Component data as follows:

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC ₅₀ Inhalation-Rat (mg/l)	Carcinogenicity	CA - Prop 65
Proprietary Ingredient	> 5000	N/E	N/E	N/L	N/L

LOCAL EFFECTS

Skin contact: May cause skin irritation

Eye contact: May cause eye 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

No data are available on the adverse effects of this material on the environment. Neither COD or BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are a classified as a marine pollutant.

13: DISPOSAL CONSIDERATIONS


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

14: TRANSPORT INFORMATION

This product in not classified as hazardous for transportation.

15: REGULATORY INFORMATION

U.S. Regulations/Reporting:	Components not subject to reporting (SARA 302/304, 313, CERCLA)
State Right to Know Status:	Components not subject to State RTK Listing (MA, NJ, PA, RI)
Canada Regulations/Reporting:	This product has been classified in accordance with the hazard criteria of the <i>Controlled Products Regulations (CPR)</i> and the MSDS contains all of the information required by the <i>CPR</i> .

WHMIS Hazard Symbol: 

WHMIS Hazard Class: D2B

16: OTHER INFORMATION

Product intended for commercial and industrial use only

Abbreviations Used:

N/E - Not Established

N/A - Not applicable

N/L - Not Listed

Revision History:

09/29/2014- Name change, minor typographical edits

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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****