

### EZ-STRIP LOW ODOR FLOOR STRIPPER

#### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: EZ-Strip Low Odor Floor Stripper  
Product Type: Floor stripper

Product Number: 517

##### 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- Corrosive

**Precautions:** Danger. Corrosive to skin and eyes. Keep container closed when not in use. Keep out of reach of children.

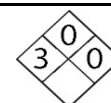
##### Potential Health Effects:

**Eye Contact:** Causes eye burns. May cause permanent damage.

**Skin Contact:** Causes skin burns. May cause permanent damage.

**Inhalation:** May be harmful if inhaled. May cause irritation and corrosive effects to nose, throat and respiratory tract.

**Ingestion:** Harmful if swallowed. May cause burns to mouth, throat and stomach.



**Health:** 3  
**Flammability:** 0  
**Reactivity:** 0

#### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Weight %
ethylene glycol monophenyl ether	122-99-6	7 - 13
monoethanolamine	141-43-5	7 - 13
ethylene glycol monobutyl ether	111-76-2	3 - 7
sodium metasilicate	6834-92-0	1 - 5

#### 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eye with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). Seek medical attention.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.

**Inhalation:** If breathing is difficult. Remove subject to fresh air. Seek medical attention immediately.

**Ingestion:** Call a physician or poison control center. Do not induce vomiting. Seek medical advice immediately.

#### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray, CO<sub>2</sub>, dry chemical, alcohol-type or universal type foams

**Special Fire Fighting Procedures:** Corrosive liquid. (See Sections 8 and 10.) Do not spray a solid stream of water or foam directly in hot liquid. This may cause frothing. Fire fighters should wear NIOSH approved breathing apparatus.

**Hazardous Combustible Products:** None known

**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.

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**Large Spills:** 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. 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.

**Waste Disposal:**

### 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapors or mists. Remove and wash contaminated clothing and footwear before re-use.

**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
ethylene glycol monobutyl ether	111-76-2	20 ppm (BEI)	N/L	50 ppm (skin)	N/L
monoethanolamine	141-43-5	3 ppm	6 ppm	3 ppm	N/L

**Engineering Controls:** Ensure adequate general ventilation.

#### 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 Threshold:** N/E  
**Freezing Point:** 32°F / 0°C  
**Flash Point:** > 200°F / > 93°C (ASTM D56)  
**Viscosity:** < 10 cps @ 68°F  
**Vapor Pressure:** less than water  
**Relative Density:** 8.8 lb/gal @ 68°F / 1.05 kg/l @ 20°C  
**Partition Coefficient (n-octanol/water):** N/E  
**Decomposition Temperature:** N/E

**Odor:** mild odor, no added fragrance  
**pH:** 12.5  
**Boiling Point:** 212°F / 100°C  
**Evaporation Rate:** less than water  
**Upper/Lower Flammability limits:** N/A  
**Vapor Density:** greater than air  
**Solubility:** 100% soluble in water  
**Auto Ignition temperature:** N/E  
**VOC:** 25.7% (as supplied), 5.1% (1:4), 2.8% (1:8)

### 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Hazardous reactions:** Adding water directly to the product may generate heat and cause product to splash. To avoid adverse reaction, always add product to water, do not add water to product.

**Conditions to avoid:** Improper order of dilution

**Incompatible materials:** Strong acids and oxidizing agents

**Hazardous decomposition products:** carbon monoxide, carbon dioxide and nitrogen oxides

### 11: TOXICOLOGICAL INFORMATION

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

Ingredient	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC <sub>50</sub> Inhalation - Rat (mg/l)	Carcinogenicity	CA - Prop 65
ethylene glycol monophenyl ether	1840	> 2214	N/A	N/L	N/L
ethylene glycol monobutyl ether	470	220	2.21 (4 hr)	IARC 3	N/L
monoethanolamine	1720	1025	N/A	N/L	N/L
sodium metasilicate	1500	N/A	2.3 (2hr)	N/L	N/L

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#### LOCAL EFFECTS

**Skin contact:** Corrosive. Can cause skin burns.  
**Eye contact:** Corrosive. Can cause eye burns.  
**Sensitization:** None expected  
**Chronic effects:** None expected

#### SPECIFIC EFFECTS

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

#### 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

**Proper Shipping Name:** Corrosive liquid, n.o.s. (ethanolamine)

**Hazard Class:** 8

**UN Number:** UN1760

**Packing Group:** II

Package Volumes < 1L are shipped under Limited Quantity Exemption; as permitted by hazard class and quantity limits.

#### 15: REGULATORY INFORMATION

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


Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
ethylene glycol monophenyl ether	122-99-6	N/L	12% †	RQ not assigned
ethylene glycol monobutyl ether	111-76-2	N/L	5% †	RQ not assigned

†- listed as Glycol Ethers

##### State Right to Know Status:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
ethylene glycol monobutyl ether	111-76-2	present	present	present	present
monoethanolamine	141-43-5	present	present	present	present

##### Canada Regulations/Reporting

**WHMIS Hazard Symbol:** 

**WHMIS hazard class:** E

##### Ingredients required for disclosure:

Ingredient	CAS Number	Weight %	Classification
monoethanolamine	141-43-5	> 1%	B3, E
ethylene glycol monobutyl ether	111-76-2	> 1%	B3, D1A, D2B
sodium metasilicate	6834-92-0	>1%	E

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*.

#### 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

IARC 3- Unclassifiable as to Carcinogenicity in Humans.

##### Revision Details:

12/17/2013- 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\*\***