

### LASERSHOT™ SPRAY & WIPE DEGREASER- READY TO USE

#### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: LaserShot™ Spray & Wipe Degreaser  
 Product Type: All purpose degreaser (Ready to Use)

Product Number: 323RTU

**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! Irritant. Keep container sealed when not in use.  
 Keep out of the 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.

<b>Health:</b>	<b>2</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>

#### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Weight %
ethylene glycol monobutyl ether	111-76-2	3 - 7
monoethanolamine	141-43-5	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 with soap and plenty of water. If irritation persists, seek medical attention.  
**Inhalation:** If inhaled, remove to fresh air. If symptoms persists, seek medical attention.  
**Ingestion:** If ingested, Do NOT induce vomiting! Seek medical attention.

#### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Dry chemical, water spray, foam, carbon dioxide  
**Special Fire Fighting Procedures:** None  
**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 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.

#### 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes and skin. Wash thoroughly after handling. Use in well-ventilated areas.  
**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.

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#### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Exposure Limit Values

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

<b>Appearance:</b> clear, red liquid	<b>Odor:</b> spearmint
<b>Odor Threshold:</b> N/E	<b>pH:</b> 11.5
<b>Freezing Point:</b> 32°F / 0°C	<b>Boiling Point:</b> 212°F / 100°C
<b>Flash Point:</b> none	<b>Evaporation Rate:</b> less than water
<b>Viscosity:</b> < 10 centipoise @ 68°F	<b>Upper/Lower Flammability limits:</b> N/A
<b>Vapor Pressure:</b> less than water	<b>Vapor Density:</b> greater than air
<b>Relative Density:</b> 8.3 lb/gal @ 68°F / 1.0 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> 99%
<b>VOC:</b> 7.14%	

#### 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Hazardous reactions:** None expected

**Conditions to avoid:** None known

**Incompatible materials:** None known

**Hazardous decomposition products:** None known

#### 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 monobutyl ether	470	220	2.2 (4 hr)	IARC 3	N/L
monoethanolamine	1720	1025	N/A	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

#### 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 transportation.

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#### 15: REGULATORY INFORMATION

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

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
ethylene glycol monobutyl ether	111-76-2	N/L	1.00%	N/L

##### 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: D2B

##### Ingredients required for disclosure:

Ingredient	CAS Number	Weight %	Classification
ethylene glycol monobutyl ether	111-76-2	> 1%	B3, D1A, D2B
monoethanolamine	141-43-5	> 1%	B3, 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 History:

10/12/2011- correction to OSHA & WHMIS classification and related text, Section 9 (pH, VOC), Section 16 (use statement)

04/01/2011- format change to ANSI Z400.1-2004

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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\*\***