

### LASERSHOT SPRAY & WIPE DEGREASER

#### I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name:** LaserShot Spray & Wipe Degreaser (Ready to Use)

**Product Number:** 323RTU

**Product Use:** Ready to Use water based degreaser

**Manufacturer Address:**

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

**Contact Information:**

Telephone: +1 336 372 8080  
 Internet: www.pioneer-eclipse.com  
 E-mail: msds@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

This preparation has been classified and labeled according to 1999/45/EC.

**EU Classification:** Classified as an Irritant

**Hazard symbol:**



**Irritant**

**Risk phrases:** R36/38- Irritating to eyes and skin.  
 R43- May cause sensitization by skin contact.

**Safety phrases:** S2- Keep out of the reach of children.  
 S24/25- Avoid contact with skin and eyes.  
 S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S28- In case of contact with skin, wash immediately with plenty of water.  
 S37/39- Wear suitable gloves and eye/face protection.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	EC No.	Weight %	CAS No.	Symbol	R phrases *
ethylene glycol monobutyl ether	203-905-0	3 - 7	111-76-2	X <sub>n</sub> (Harmful) X <sub>i</sub> (irritant)	R20/21/22 R36/38
ethanolamine	205-483-3	1 - 5	141-43-5	X <sub>n</sub> (Harmful) C (Corrosive)	R20/21/22 R34
fragrance	N/A	0.1 – 1.0	N/A	Xi (Irritant)**	R36/37/38 R43**

\*See section 16 for the full text of R phrases

\*\*classification data as determined by component vendor

#### 4. FIRST AID MEASURES

##### EFFECTS AND SYMPTOMS

**Inhalation:** May cause respiratory tract irritation.  
**Ingestion:** May cause irritation to digestive tract.  
**Skin contact:** May cause skin irritation.  
**Eye contact:** May cause eye irritation.

##### FIRST AID MEASURES

**Inhalation:** If inhaled, remove to fresh air. If symptoms persist, seek medical attention.  
**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.  
**Skin contact:** In case of contact, wash skin with soap and plenty of water. If irritation persists, seek medical attention.  
**Eye contact:** In case of contact, immediately 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.

#### 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:** None

### LASERSHOT SPRAY & WIPE DEGREASER

#### 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. 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.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use in well-ventilated areas. Avoid breathing vapours or spray mists.

**Storage:** Storage temperature (Max. 60°C/140°F) (Min. 1°C/34°F). Keep from freezing. Keep container sealed when not in use. Keep out of the reach of children.

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limit values :

Component Name	Source / Date	Value / Units	Type
ethylene glycol monobutyl ether	US (ACGIH) / 2010	20 PPM	8 HRS / TWA
ethylene glycol monobutyl ether	US (OSHA) 2010	50 PPM SKIN	8 HRS / TWA
ethylene glycol monobutyl ether	EU (2000/39/EC)	20 ppm SKIN	8 HRS/TWA
ethanolamine	US (ACGIH) / 2010	3 ppm	8 HRS / TWA
ethanolamine	US (ACGIH) / 2010	6 ppm	8 HRS / STEL
ethanolamine	EU (2006/15/EC)	1 ppm SKIN	8 HRS/TWA

**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:** Thin red liquid

**Odor Threshold:** N/E

**Melting Point/Freezing Point:**

**Flash point:** > 93°C

**Upper/lower flammability/explosive limits:** N/E

**Vapor density:** Greater than air

**Solubility:** 100% soluble in water

**Auto-ignition temperature:** N/E

**Viscosity:** < 10 centipoise @ 20°C

**Oxidizing properties:** Not an oxidizer

**Odor:** spearmint

**pH:** 11.5

**Boiling point/boiling range:** 100°C

**Evaporation rate:** Less than water

**Vapor pressure:** Greater than water

**Relative density:** 1.00 kg/l @ 20°C

**Partition coefficient (n-octanol/water):** Not determined

**Decomposition temperature:** N/E

**Explosive properties:** None

**VOC:** 7.14%

#### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions.

**Hazardous Reactions:** None known

**Conditions to avoid:** None known

**Incompatible materials:** None known

**Hazardous decomposition products:** None known

### LASERSHOT SPRAY & WIPE DEGREASER

#### 11. TOXICOLOGICAL INFORMATION

**PREPARATION SUMMARY** - Toxicity testing has not been completed on the mixture.

##### 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

##### COMPONENT SUMMARY\*

ethylene glycol monobutyl ether CAS# 111-76-2

LD<sub>50</sub>: (Oral, rat) 470 mg/kg – 1746 mg/kg

##### Potential Health Effects

**Eye:** May cause severe eye irritation.  
**Skin:** May cause slight skin irritation with local redness. Repeated exposure may cause a burn  
**Ingestion:** Moderate toxicity if swallowed. Causes irritation to the gastrointestinal tract.  
**Inhalation:** May cause irritation to upper respiratory tract (nose and throat).  
**Chronic:** Prolonged or repeated exposure can cause damage to the liver, kidneys, lymphoid system, blood and blood-forming organs.

**Carcinogenicity:** Not listed as a carcinogen.

ethanolamine CAS# 141-43-5

LD<sub>50</sub>: (Oral, rat) 1090 mg/kg – 3320 mg/kg

##### Potential Health Effects

**Eye:** May cause severe irritation.  
**Skin:** May cause skin burns.  
**Ingestion:** Low toxicity if swallowed. May result in gastrointestinal irritation or ulceration.  
**Inhalation:** Excessive exposure may cause irritation to upper respiratory tract (nose and throat).  
**Chronic:** May cause liver and kidney damage.

**Carcinogenicity:** Not listed as a carcinogen.

fragrance (CAS# n/a)

LD<sub>50</sub>: n/a

##### Potential Health Effects

**Eye:** Contact with eyes may cause irritation.  
**Skin:** Repeated or prolonged contact can cause redness, irritation and scaling of the skin..  
**Ingestion:** Low order of toxicity. Causes irritation of the stomach and intestines, resulting in nausea and vomiting.  
**Inhalation:** Inhalation of high vapor concentration may result in irritation.  
**Chronic:** May cause allergic skin reaction.

**Carcinogenicity:** None of the components of this product are 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\*

ethylene glycol monobutyl ether CAS# 111-76-2

96 hour LC50, bluegill (*Lepomis macrochirus*) 820 – 1490 mg/l

LC50, water flea (*Daphnia magna*) 835 mg/l

Environmental Fate: Material is readily biodegradable. Bioconcentration potential is low.

ethanolamine CAS# 141-43-5

LC50, 96 hr fathead minnow (*Pimephales promelas*) 125-2070 mg/l

LC50, water flea (*Daphnia magna*) 33-93 mg/l

Environmental Fate: Material is readily biodegradable. Bioconcentration potential is low.

\*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.

### LASERSHOT SPRAY & WIPE DEGREASER

#### 14. TRANSPORT INFORMATION

##### INTERNATIONAL TRANSPORTATION REGULATIONS:

This product is not classified for transportation under ADR/IMDG regulations.

**UN number:** not applicable

**Packing group:** not applicable

#### 15. REGULATORY INFORMATION

**EINECS Status:** Ingredients identified with CAS # are included in the EINECS/ELINCS/NLP inventories.

##### NATIONAL REGULATIONS:

###### 648/2004

The surfactant contained in this preparation complies 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

Product intended for COMMERCIAL AND INDUSTRIAL USE ONLY.

##### Detergent/Cleaner labeling (648/2004/EC):

(<5%) Non-ionic surfactant, (<5%) Anionic surfactant, (<5%) Perfume.

##### Risk (R-) phrases:

R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.

R34-Causes burns.

R35- Causes severe burns.

R36/37/38- Irritating to eyes, respiratory system and skin.

R43- May cause sensitization by skin contact.

##### Safety (S-) phrases:

S1/2- Keep locked up and out of the reach of children.

S24/25- Avoid contact with skin and eyes.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28- After contact with skin, wash immediately with plenty of water.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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

##### Abbreviations:

N/A = Not Applicable

N/E = Not Established

N/L = Not Listed

##### Issued by:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation

##### Revision Information:

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

06/09/2011 – correction to flash point

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

01/11/2010 - revisions conforming to 1907/2006/EC