



## SAFETY DATA SHEET 323: CONCENTRATE

Issued: Dec. 10, 2024

Supersedes: Jan. 16, 2018

### LASERSHOT™ INDUSTRIAL DEGREASER

#### 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** LaserShot Industrial Degreaser **Product Number:** 323  
**Recommended Use:** Industrial all purpose degreaser  
Concentrate - dilute prior to use.  
Product intended for commercial and industrial use only.  
**Uses Advised Against:** Other than per labelled instructions

#### **Manufacturer Address:**

Amano Pioneer Eclipse Corporation  
P.O. Box 909  
1 Eclipse Road  
Sparta, NC 28675  
Telephone: 1-336-372-8080  
Email: sds@pioneereclipse.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

**Classification:** Skin Corrosion - Category 1B  
Eye Damage - Category 1  
Specific Target Organ Toxicity (Single Exposure) - Category 3

**Signal Word:** DANGER

#### **Pictogram:**



#### **Hazard Statements:**

Causes severe skin burns and eye damage.  
Causes serious eye damage.  
May cause respiratory irritation.

#### **Precautionary Statements:**

Do not breathe mist/vapors/spray.  
Use only in a well-ventilated area.  
Wash thoroughly after handling.  
Wear protective gloves and eye protection.  
Immediately call a POISON CENTER or doctor/physician if exposed or if you feel unwell.  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Wash contaminated clothing before reuse.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of contents/container according to local, regional and national regulations.

**Other Hazards:** None known

**Supplemental Information:** None known



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#### 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient       | CAS Number | Weight % * |
|------------------|------------|------------|
| 2- butoxyethanol | 111-76-2   | 30 - 40    |
| monoethanolamine | 141-43-5   | 10 - 15    |

\* Exact concentration of the ingredients has been withheld as a trade secret.

#### 4: FIRST AID MEASURES

##### DESCRIPTION OF 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. Rinse mouth. Do not induce vomiting. Seek medical advice

##### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**Eye Contact:** Causes eye burns.

**Skin Contact:** Causes skin burns.

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

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

##### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

#### 5: FIRE-FIGHTING MEASURES

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

**Specific Hazards:** 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.

**Protective Equipment and Precautions:** Fire fighters should wear NIOSH approved breathing apparatus. 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.

**Environment 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). Neutralize spill area. 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

**Precautions for Safe 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.

**Conditions for Safe 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 Limits:

| Ingredient       | CAS Number | ACGIH        |       | OSHA          |      |
|------------------|------------|--------------|-------|---------------|------|
|                  |            | TWA          | STEL  | TWA           | STEL |
| 2-butoxyethanol  | 111-76-2   | 20 ppm (BEI) | -     | 50 ppm (skin) | -    |
| monoethanolamine | 141-43-5   | 3 ppm        | 6 ppm | 3 ppm         | -    |

**Engineering Controls:** Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

##### Personal Protective Equipment (PPE)

**Eye/Face Protection:** Wear eye protection/face protection.

**Skin Protection:** Wear chemical resistant gloves.

**Respiratory Protection:** Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

#### 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                   |   |
|-----------------------------------|---|
| <b>Appearance:</b>                | clear, red liquid                         |
| <b>Odor:</b>                      | spearmint                                 |
| <b>Odor Threshold:</b>            | data not available                        |
| <b>pH:</b>                        | 12.6                                      |
| <b>Freezing Point:</b>            | data not available                        |
| <b>Boiling Point:</b>             | data not available                        |
| <b>Flash Point:</b>               | >200°F / >93°C                            |
| <b>Evaporation Rate:</b>          | less than water                           |
| <b>Flammability (solid/gas):</b>  | not applicable to liquids                 |
| <b>Flammability limits:</b>       | data not available                        |
| <b>Vapor Pressure:</b>            | data not available                        |
| <b>Vapor Density:</b>             | data not available                        |
| <b>Relative Density:</b>          | 8.2 lb/gal @ 68°F / 0.99 kg/l @ 20°C      |
| <b>Solubility:</b>                | miscible in water                         |
| <b>Partition Coefficient:</b>     | data not available                        |
| <b>Auto Ignition temperature:</b> | data not available                        |
| <b>Decomposition Temperature:</b> | data not available                        |
| <b>Viscosity:</b>                 | < 10 centipoise @ 68°F (20°C)             |
| <b>VOC:</b>                       | 50% (as supplied), 6.9% (1:6), 5.4% (1:8) |

#### 10: STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions. Reacts exothermically with acids: release of heat.

**Stability:** Stable under normal conditions.

**Hazardous reactions:** None known under normal conditions. Reacts exothermically with acids: release of heat.

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

**Incompatible materials:** Strong acids and oxidizing agents. Do not mix with other chemicals unless stated on the product label.

**Hazardous decomposition products:** carbon oxides, nitrogen oxides

#### 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Toxicity testing has not been completed on the mixture.

ATE<sub>mix</sub> (oral) - > 2000 mg/kg

ATE<sub>mix</sub> (dermal) - > 2000 mg/kg

ATE<sub>mix</sub> (inhalation) - > 20 mg/l (vapor)



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#### LOCAL EFFECTS

**Skin contact:** Can cause severe skin burns.  
**Eye contact:** Can cause serious eye damage.  
**Inhalation:** May cause respiratory irritation.  
**Sensitization:** None expected  
**Chronic effects:** None expected

#### SPECIFIC EFFECTS

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

#### COMPONENT INFORMATION

| Component        | LD50 Oral-<br>Rat (mg/kg) | LD50 Dermal -<br>Rabbit (mg/kg) | LC50 Inhalation-<br>Rat (mg/l) |
|------------------|---------------------------|---------------------------------|--------------------------------|
| 2- butoxyethanol | 1200                      | >2000                           | 2.2 (4 hr)                     |
| monoethanolamine | 1720                      | 1025                            | data not available             |

#### Carcinogenicity:

| Component        | IARC   | NTP        | OSHA       |
|------------------|--------|------------|------------|
| 2- butoxyethanol | IARC 3 | Not listed | Not listed |

#### 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Ecological testing has not been completed on the mixture.  
**Persistence and Degradability:** Data not available.  
**Bioaccumulative Potential:** Data not available.  
**Mobility in Soil:** Data not available.  
**Other Adverse Effects:** Data not available.

#### 13: DISPOSAL CONSIDERATIONS

##### Waste residues or unused products:

Disposal of this material should be in accordance with local, regional and national regulations.  
This product, as sold, if discarded or disposed, is a hazardous waste according to 40 CFR 261.  
It is the responsibility of the end user to determine, at the time of disposal, if the waste solution meets the criteria for hazardous waste.

**RCRA Hazard Class (as sold):** D002 - Corrosive

#### 14: TRANSPORT INFORMATION

**UN Number:** UN1760  
**UN Proper Shipping Name:** Corrosive liquid, n.o.s. (monoethanolamine)  
**Hazard Class:** 8  
**Packing Group:** III  
**Marine Pollutant:** None  
**Transport in Bulk:** N/A  
**Other Information:** Package volumes <5 L each are shipped as Limited Quantity; as permitted by hazard class and quantity exemption.

#### 15: REGULATORY INFORMATION

##### U.S. REGULATIONS/REPORTING:

| Ingredient       | CAS Number | SARA<br>302/304 | SARA 313 | CERCLA     |
|------------------|------------|-----------------|----------|------------|
| 2- butoxyethanol | 111-76-2   | not listed      | > 1.0% † | not listed |

†- listed as Glycol Ethers



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#### STATE RIGHT-TO-KNOW STATUS:

| Ingredient       | CAS Number | MA - RTK | NJ - RTK | PA - RTK | RI - RTK |
|------------------|------------|----------|----------|----------|----------|
| 2- butoxyethanol | 111-76-2   | present  | present  | present  | present  |
| monoethanolamine | 141-43-5   | present  | present  | present  | present  |

**CALIFORNIA PROPOSITION 65:** Components are not present on CA Prop 65 listing.

**CANADA REGULATIONS/REPORTING:** This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (*HPR*) and the SDS contains the information required by the *HPR*.

#### 16: OTHER INFORMATION

##### Abbreviations Used:

|                    |  |
|--------------------|--|
| ATE <sub>mix</sub> | Acute Toxicity Estimate - mixture                                    |
| CAS                | Chemical Abstract Service Number                                     |
| CERCLA             | Comprehensive Environmental Response, Compensation and Liability Act |
| IARC               | International Agency for Research on Cancer                          |
| IARC 3             | Unclassifiable as to carcinogenicity in humans                       |
| LC50               | Median Lethal Concentration  |
| LD50               | Median Lethal Dose   |
| N230               | Glycol ethers, generic class   |
| NTP                | National Toxicology Program  |
| OSHA               | Occupational Safety and Health Administration                        |
| RCRA               | Resource Conservation and Recovery Act                               |
| SARA               | Superfund Amendments and Reauthorization Act                         |
| SDS                | Safety Data Sheet  |
| VOC                | Volatile Organic Compound  |

##### Revision Information:

Dec. 10, 2024 - Revisions § 1, 4, 6, 8, 9, 10, 13 & 16

|                 |
|-----------------|
|                 |
| Health: 3       |
| Flammability: 0 |
| Reactivity: 0   |

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This SDS 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\*\***