



SAFETY DATA SHEET 323RTU: READY TO USE

Issued: Dec. 10, 2024
Supersedes: May 27, 2016

LASERSHOT™ INDUSTRIAL DEGREASER

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: LaserShot Industrial Degreaser **Product Number:** 323RTU
Recommended Use: Industrial all purpose degreaser
Ready 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 Irritation - Category 2
Eye Irritation - Category 2

Signal Word: WARNING

Pictogram:



Hazard Statements:

Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements:

Wash thoroughly after handling.
Wear protective gloves/eye protection/face protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
If skin irritation occurs: Get medical advice/attention.
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.
If eye irritation persists: Get medical advice/attention.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazards: None known

Supplemental Information: None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
2- butoxyethanol	111-76-2	3 - 7
monoethanolamine	141-43-5	1 - 5

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



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4: FIRST AID MEASURES

DESCRIPTION OF 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 with soap and plenty of water. If irritation persists, seek medical attention.

Inhalation: If breathing is difficult, remove subject to fresh air. If symptoms persist, seek medical attention.

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

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Can cause eye irritation.

Skin Contact: Can cause skin irritation.

Inhalation: Spray mist may cause irritation to nose, throat and lungs.

Ingestion: May cause irritation to mouth, esophagus and stomach.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: Water spray, CO₂, dry chemical, alcohol-type or universal type foams

Specific Hazards: Materials can splatter above 212 °F / 100 °C

Protective Equipment and Precautions: Fire fighters should wear NIOSH approved breathing apparatus. Follow all general fire safety guidelines.

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 in well-ventilated areas. Avoid breathing vapors or mists.

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.

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	-



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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.

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

Appearance: clear, red liquid
Odor: spearmint
Odor Threshold: data not available
pH: 11.4
Freezing Point: data not available
Boiling Point: data not available
Flash Point: > 200 °F / > 93°C
Evaporation Rate: less than water
Flammability (solid/gas): not applicable to liquids
Flammability limits: data not available
Vapor Pressure: data not available
Vapor Density: data not available
Relative Density: 8.3 lb/gal @ 68°F/ 1.0 kg/l @ 20 °C
Solubility: miscible in water
Partition Coefficient: data not available
Auto Ignition temperature: data not available
Decomposition Temperature: data not available
Viscosity: <10 centipoise @ 68 °F (20 °C)
VOC: 7%

10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Stability: Stable under normal conditions.

Hazardous reactions: None expected under normal conditions.

Conditions to avoid: None known.

Incompatible materials: Do not mix with other chemicals unless stated on the product label.

Hazardous decomposition products: None known.

11: TOXICOLOGICAL INFORMATION

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

ATE_{mix} (oral) - > 2000 mg/kg

ATE_{mix} (dermal) - > 2000 mg/kg

ATE_{mix} (inhalation) - > 20 mg/l (vapor)

LOCAL EFFECTS

Skin contact: Can cause irritation.

Eye contact: Can cause irritation.

Sensitization: None expected

Chronic effects: None expected



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SPECIFIC EFFECTS

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

COMPONENT INFORMATION

Component	LD50 Oral- Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation- 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.
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.

14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

15: REGULATORY INFORMATION

U.S. REGULATIONS/REPORTING:

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

†- listed as Glycol Ethers

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.



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16: OTHER INFORMATION

Abbreviations Used:

ATE _{mix}	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, 5, 6, 8,9, 10, 11 & 13

Health: 2
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****