

LASERSHOT™ SPRAY & WIPE DEGREASER

Powerful, heavy duty all purpose degreaser.

FEATURES

- Powerful, super fast degreaser
- Pleasant fragrance
- Cleans grease, oils, lipsticks, crayons, etc.
- Concentrated for economical use



RECOMMENDED SURFACES

Before LaserShot is used, test surface to be cleaned in an inconspicuous area for color fastness and surface compatibility.

PRODUCT DATA

Description:	Powerful, heavy duty all purpose degreaser concentrate
Appearance:	Clear red liquid
Fragrance:	Spearmint
Shelf Life:	2 years ASTM D1791-93 (1998)
Viscosity (Brookfield):	<10 centipoise @ 68°F (20°C)
pH (undiluted):	13.0± 0.5 ASTM E70-97
Density:	8.3 lb per gal @ 68°F 0.99 kg per liter @ 20°C
Flash Point:	150° (66°C), ASTM D56
Freeze/Thaw:	Passes 3 cycles ASTM D3209-93 (1998)

PRECAUTIONS

Keep out of reach of children. Keep container sealed when not in use. Avoid freezing. If frozen, allow to return to room temperature slowly and mix thoroughly before using.

ORDERING INFORMATION

Product #323MP: 4 x 1.06 gallon per case (4 x 4 liter)

DIRECTIONS FOR USE: GENERAL CLEANING:

1. Mix LaserShot per the following dilution ratio:
1:6 21 US oz per gallon water (167 ml per 1 liter water)
2. Spray surface and wipe with clean cloth or paper towel.
No rinse needed.

LASERSHOT SPRAY & WIPE DEGREASER

LAST REVISION DATE: 12/5/07
MANUFACTURER: Amano Pioneer Eclipse® Corp.
 Sparta, NC 28675 Phone: 1-336-372-8080
FOR CHEMICAL EMERGENCY: Spill, Leak, Fire,
 Exposure or Accident **CALL CHEMTREC - Day**
or Night 1-800-424-9300 Toll Free in the
 Continental US **483-7616** in DISTRICT OF
 COLUMBIA. For calls originating outside the US:
 Call Collect **1-202-483-7616** Washington, DC.

SECTION I: GENERAL INFORMATION

PRODUCT NAME: LaserShot™ Spray &
 Wipe Degreaser
PRODUCT #: 323MP
PRODUCT TYPE: All purpose degreaser
PRECAUTIONS: Corrosive. Do not get in eyes,
 on skin or clothing. Keep container sealed when
 not in use. Keep out of reach of children.
FLAMMABILITY: 2
REACTIVITY: 0
HEALTH: 2
NFPA HAZARD RATINGS

4-EXTREME	3-HIGH	2-MODERATE
1-SLIGHT	0-INSIGNIFICANT	


SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT: Monoethanolamine
CAS#: 141-43-5
%: 10-15
OSHA PEL: 3 ppm (TWA)
ACGIH TLV: 6 ppm (STEL)
LD₅₀ SPECIES & ROUTE: 1.2 g/kg rat, oral

INGREDIENT: *Ethylene Glycol Butyl Ether
CAS#: 111-76-2
%: 35-40
OSHA PEL: 50 ppm (skin) (TWA)
ACGIH TLV: 20 ppm (TWA)
LD₅₀ SPECIES & ROUTE: 0.5 g/kg rat, oral

* This chemical is subject to the reporting requirements of Section 313 of SARA Title III.

N/E = Not Established, N/L = Not Listed
 N/A = Not Applicable

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE: Clear red liquid
PHYSICAL STATE: Liquid
pH: 13.0 ± 0.5
BOILING POINT: 100°C / 212°F
EVAPORATION RATE: Less than water
FREEZING POINT: 0°C / 32°F
VAPOR DENSITY: Greater than air
VOLATILE BY WEIGHT: 97-99%
VAPOR PRESSURE: Less than water
DENSITY: 8.3 lb per gal @ 68°F
 0.99 kg per liter @ 20°C
SOLUBILITY IN WATER: Miscible

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: 150°F (66°C) ASTM D56
EXPLOSIVE LIMITS:
 LOWER: N/E UPPER: N/E
EXTINGUISHING MEDIA: Water spray, CO₂, dry
 chemical, alcohol-type or universal type foams.
SPECIAL FIRE FIGHTING PROCEDURES: Do not
 spray a solid stream of water or foam directly
 into hot liquid. This may cause frothing.
 Firefighters should wear NIOSH approved
 breathing apparatus.
HAZARDOUS COMBUSTIBLE PRODUCTS: N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Materials can splatter above 100°C / 212°F.

SECTION V: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY (MATERIALS TO AVOID):
 Strong acids and strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:
 Carbon monoxide, carbon dioxide and
 nitrogen oxides.
REACTIVITY CONDITIONS: None

SECTION VI: HEALTH HAZARD DATA

EYES: May cause severe burns or possible
 corneal damage. For eye contact, flush with a
 large amount of water for at least 15 minutes.
 See a physician immediately.
SKIN: Irritation, reddening or possible damage
 upon repeated or prolonged contact. For skin
 contact, wash affected areas with soap and
 water. Seek medical attention if irritation persists.
INHALATION: Vapor or mist can cause headache,
 nausea and irritation of the eyes, nose, throat
 and lungs. For overexposure, move subject to
 fresh air. Seek medical attention if symptoms
 persist.
INGESTION: May cause nausea, abdominal
 discomfort, vomiting, diarrhea. If ingested, drink
 two glasses of water or milk and do not induce
 vomiting. Remove by endotracheal intervention.
 Seek medical attention immediately.
CHRONIC EFFECTS AND MEDICAL CONDITIONS
AGGRAVATED BY OVEREXPOSURE: Main hazard
 is due to product's severe irritant properties.
 Treatment should be directed at the control of
 symptoms and the clinical condition of
 the patient.
CARCINOGEN: Non-carcinogenic
REPRODUCTIVE EFFECTS: N/E
TERATOGENICITY: N/E
MUTAGENICITY: N/E
THRESHOLD LIMIT VALUE: See Section II.

SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES

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. Neutralize residue with
 vinegar, mild acid or large amount of water.

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.
WASTE DISPOSAL: Landfill or incinerate the
 contaminated solids and diking material
 according to 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.

SECTION VIII: SPECIAL PROTECTION

EYE PROTECTION: Chemical splash goggles
 (ANSI Z87.1-1989 or approved equivalent).
RESPIRATORY PROTECTION: None required
 when permissible airborne concentrations are
 not exceeded. In emergency, use approved
 positive pressure self-contained breathing device.
VENTILATION: Mechanical local exhaust
 ventilation at point of contamination release.
OTHER PROTECTIVE EQUIPMENT: As required
 by employer code. Rubber boots and chemical
 resistant gloves recommended.

SECTION IX: SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Storage temperature
 (MAX. 60°C / 140°) (MIN. 1°C / 34°F).
OTHER PRECAUTIONS: Keep from freezing.

SECTION X: ADDITIONAL INFORMATION

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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

Pioneer Eclipse®