

Material Safety Data Sheet

Purity Lens Cleaner (Gallon)

Date of Preparation: October 13, 2011

Revision: 01

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Purity Lens Cleaner

Chemical Formula: N/A

Other Designations: N/A

General Use: Formula used to clean eyeglasses.

Manufacturer/Distributor: Dynamic Labs, Inc. 30 Haynes Ct, Ronkonkoma, NY 11779.

Phone: 631-231-7474

(Emergency phone number): CHEMTREC: 1-800-424-9300; 1-703-527-3887.

Section 2 - Composition / Information on Ingredients

Ingredient/Chemical Name	CAS #	Exposure Limit	% Wt
2-propanol	67-63-0	400 ppm	40
Water	-	-	Balance

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

This product is hazardous as defined in 29 CFR1910.1200. OSHA Hazard: Flammable, Eye irritant.

HMIS

H: 1

F: 2

R: 0

PPE¹
1Sec. 8

Potential Health Effects

Primary Exposure Routes: Skin, eye, inhalation, ingestion

Target Organs: None

Acute Effects

Inhalation: High-level vapor concentrations are irritating to respiratory tract, may cause headaches and dizziness, and may have central nervous system effects.

Eye: Irritating to eyes and may damage eye tissues if not washed properly.

Skin: Frequent and prolonged exposure may irritate skin and cause dermatitis.

Ingestion: Minimal toxicity, small amount of the liquid aspirated into the respiratory system during ingestion may cause bronchio pneumonia or pulmonary edema.

Chronic Effects

General: None

Carcinogenicity: None

Medical Conditions Aggravated by Long-Term Exposure: N/A

Section 4 - First Aid Measures

Inhalation: Using proper respiratory protection, remove the effected person to fresh air. Administer artificial respiration if breathing is stopped. Call physician for medical help.

Eye Contact: Immediately flush eyes with large amount of cold water. If irritation persists, get medical help.

Skin Contact: Immediately flush with water. Wash exposed skin with soap and water.

Ingestion: If swallowed, drink a glass of water. Do not induce vomiting. If uncomfortable, get medical help.

Note to Physicians: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

Special Precautions/Procedures: None

Section 5 - Fire-Fighting Measures

Flash Point: 94^oF (12^oC)

Flash Point Method: TCC ASTM D-56

LEL: 2.0

UEL: 12.7 @ 77 degree F

Flammability Classification: Flammable

Extinguishing Media: Carbon dioxide, water, dry chemicals and sand.

Unusual Fire or Explosion Hazards: Container can explode due to high pressure at high heat.

Hazardous Combustion Products: Carbon dioxide,

Fire-Fighting Instructions: Evacuate area. Use water or carbon dioxide to extinguish fire. Cool down the heated area with water. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply.

Fire-Fighting Equipment: Use protective clothing, breathing equipment and safety shield.



Section 6 - Accidental Release Measures

Small Spills: For small spills implement cleanup procedures using sand or earth. Do not use combustible materials such as sawdust. Keep ignition source away.

Large Spills: Use clean up procedures, pump liquid in a suitable container and close it for disposal (use explosion proof or hand pump). Use water spray to disperse vapors and dilute spilled liquid to a non-flammable mixture. Keep public away and inform authorities. Also, if this product is subject to CERCLA reporting (see section 15 REGULATORY INFORMATION), notify the National Response Center.

Containment – Contain spilled liquid using sand or earth.

Cleanup – Wash area with water to dilute vapors.

Regulatory Requirements – Dispose recovered liquid according to local, state and federal regulations.

Section 7 - Handling and Storage

Handling Precautions: Avoid contact with eyes. Keep container closed. Use proper bonding or/grounding procedures. Do not handle or store container near an open flame. Protect from direct sunlight. Use adequate ventilation.

Storage Requirements: Store product at cool temperature. Keep container closed all times. Keep empty containers away from heat and direct sunlight. Keep away from oxidizing agents.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use in a well ventilated area. Use explosion proof ventilating equipment.

Respiratory Protection: Use NIOSH approved respirators to avoid overexposure by inhalation.

Protective Clothing/Equipment: Wear protective clothing, chemical resistant gloves and safety goggles.

Safety Stations: Provide safety station such as coldwater eyewash.

Contaminated Equipment: Wash contaminated equipment with water.

Occupational Exposure Guidelines: OSHA Regulations 29CFR1910.1000 requires the following exposure limits:

A TWA of 400 ppm and a STEL of 500 ppm for IPA.

The ACGIH recommends the following threshold limit values:

A TWA of 200 ppm and a STEL of 400 ppm for IPA.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance/Odor: Clear, alcohol
Odor Threshold: NA
Vapor Pressure: 36 mm at 77°F
Vapor Density: 2.1
Specific Gravity (H₂O=1, at 4 °C): 0.786
pH: NA

Water Solubility: Completely soluble
Other Solubilities: Soluble in alcohols, ethers, and ketones
Boiling Point: 82°C
Freezing/Melting Point: -85°C
Evaporation Rate (BuAc=1): 1.2

Section 10 - Stability and Reactivity

Stability: Stable under normal conditions.

Polymerization: Will not occur.

Chemical Incompatibilities: Caustics, amines, aldehydes, strong oxidizing agents and chlorinated compounds.

Conditions to Avoid: Avoid heat, sparks, open flames and ignition source.

Hazardous Decomposition Products: None

Section 11- Toxicological Information

Eye Irritation: May cause eye irritation

Skin Irritation: May cause skin irritation

Sensitization: NA

Acute Dermal Effects: See section 3

Dermal LD-50: Rabbit 16.4 ml/kg

Acute Inhalation Effects: see section 3

Inhalation LC-50: Rat-8 hr: 12,000 ppm

Acute Oral Effects: Refer to section 3 and date below;

Oral LD-50: Rat- 5,800 mg/kg

Oral LD-50: Rabbit-7,900 mg/kg

Oral LD-50: Dog- 6.200 mg/kg

Genetic toxicity: None

Repeated and Chronic Effects: None

Section 12 - Ecological Information

No specific ecological data are available for this product.

Ecotox Values: Not expected to be harmful to aquatic organisms.

Mobility: Expected to remain in water or migrate through soil.

Biodegradation: Readily biodegradable.

Section 13 - Disposal Considerations

Disposal: Please refer to Sections 5,6 and 15 for disposal and regulatory information.

Disposal Regulatory Requirements: Disposal of unused product may be subject to RCRA regulations (40CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

Container Cleaning and Disposal: Small containers should be washed with water. Empty drums should be drained closed and returned to a drum re-conditioner. Dispose containers according to governmental regulations.

Section 14 - Transport Information**DOT Transportation Data (49 CFR 172.101):**

Shipping Name: N/A
Hazard Class: 3
ID No.: UN 1219
Packing Group: II
Label: 3
Special Provisions:

Quantity Limitations
a) Passenger Aircraft: NA
b) Cargo Aircraft Only: NA
c) Limited quantities: NA

Vessel Stowage Requirements
a) Vessel Stowage: NA
b) Other:

Section 15 - Regulatory Information

TSCA: CAS 67-63-0 is listed on the TSCA inventory.

SARA 311/312 Codes: Fire, Immediate health,

SARA Toxic Chemical (40 CFR 372.65): CAS 67-63-0 is subject to the reporting requirements of section 313 of SARA title III and 40 CFR Part 373

OSHA Regulations / Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A):

State Regulations: Reference specific state regulations as applicable.

Section 16 - Other Information

Prepared by: Steven Zwerman, Vice President

Revision Notes: This revised version supercedes earlier version of this MSDS.

Revision Date: October 13, 2011

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