

# MATERIAL SAFETY DATA SHEET

**Identity:** Visionaid Rainbow II

**Company Product Code:** LCL211B, LCL211BR, LCL211E, LCL2112, LCL211C,  
1LC1776DU, LC5000D, 1LC3000D, LC382D, 1LCT200 ,1LCT100

**Sizes:** 3.8L (128 fl. oz.), 473 ml (16 fl. oz.), 103 ml (3.5 fl. oz.), 59 ml (2 fl. oz.)

**Product Use:** Lens Cleaner

**Supplier:** H. L. Bouton Co.  
11 Kendrick Rd.  
Wareham, Ma. 02571

**Information Phone** 1-800-426-1881 (business hours)  
**Fax** 1-508-295-3521

**Emergency Phone** 1-800-268-9017 (Poison  
Information Center)

**Date Prepared** March 25, 2008

**Prepared by** H. L. Bouton Co.

## Section II Material Identification and Information

Components (Chemical Names & Common Names) (Hazardous Components 1 % or greater, Carcinogens 0.1% or greater)	CAS #'s	%	OSHA	ACGIH	OTHER
Isopropanol	67-63-0	10			
Sodium Dodecyl Sulphate	151-21-3	2.5			
Hydrogen Hydroxide	7732-18-5	87.5			
Pylaklor Turquoise Blue S-400	N/A mixture	.0036			

## Section III Physical / Chemical Characteristics

Physical State: Liquid	Specific Gravity (H2O=1) 1.00
PH Factor: N/A	Freezing point: -6°C (21°F)
Boiling Point: 93°C (200°F)	Melting Point: -6°C (21°F)
Vapor Pressure 20 mmHg at 20°(68°F)	Evaporation Rate: 0.99
Vapor Density 1	Water Reactive: None
Solubility in Water: 100%	Specific Gravity (Relative Density): 0.98
Percent Volatile: 10%	

**Appearance and Odor:** Clear blue solution. Slight alcoholic odor

## Section IV Fire and Explosion Data

Flash Point (Method Used): 82° C (180°F)	Auto-Ignition Temperature: N/A
Flammability Classification (29 CFR 1910.1200): Combustible Liquid	
Flammability Limits in Air Lower: 2.5-12.0 (Isopropanol)	LEL: N/A
Autoflammability and Autoignition Temperature: 456°C (852°F) (Isopropanol)	

**Extinguisher Media:** Carbon Dioxide, Water, Foam

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None

## Extinguishing Media

**Suitable Extinguishing Media:** Alcohol foam, dry chemical, carbon dioxide, water fog.

Section V                      Reactivity Data		
Stability	Unstable: No Stable: Yes	Conditions to Avoid: High temperatures, flame and other ignition sources
Incompatibility (Materials to Avoid): Strong Oxides of carbon		
Hazardous Decomposition Products: Oxides of carbon (CO <sub>x</sub> ).		
Significance of change in physical appearance: Under severely cold temperatures product may begin to turn cloudy which may degrade its functionality.		
Conditions Of Reactivity: Do not heat above 80°C (176°F).		
Section VI                      Health Hazard Data-Potential Acute Health Affects		
<u>INHALATION</u>		
Single Exposure Severity, Target Organs and Type of Effect: High levels may cause headache, nausea, dizziness.		
Repeated Exposure Severity, Target Organs and Type of Effect: No longterm effects expected.		
<u>INGESTION</u>		
Single Exposure Severity, Target Organs and Type of Effect: Mildly toxic by ingestion. May cause nausea, headache and vomiting.		
<u>SKIN ABSORPTION</u>		
Single Exposure Severity, Target Organs and Type of Effect: No effects expected.		

Section VII - Health Hazard Data			
Eye Contact: Flush with plenty of water for at least fifteen minutes. If irritation persists, consult a physician.			
Repeated Exposure Severity, Target Organs and Type of Effect: Corneal thickening leading to scarring from repeated eye contact.			
Skin Contact: May cause mild irritations, drying out of skin. Wash thoroughly with soap and water.			
Inhalation: Move to fresh air. If dizziness persists, consult physician.			
Ingestion: May cause stomach discomfort if ingested. Seek medical advice.			
Section VIII – Control and Protective Measures			
Respiratory Protection (Specify Type): None			
Hygiene recommendations to prevent continued exposure: Use normal good industrial hygiene Practices			
Protection Gloves: None		Eye Protection: Safety Glasses	
Ventilation to be used: N/A	Local Exhaust: N/A		Special: N/A
	Mechanical (General): N/A		Other: N/A
Other Protective Clothing and Equipment: Not required.			
Hygienic Work Practices: Always read label before use.			
Section IX- Precautions for Safe Handling and Use/Leak Procedures			
Steps to be taken if Material is Spilled or Released: Mop up using large amounts of water. Flush Down sanitary sewer.			

Waste Disposal Methods: In accordance with municipal, provincial and federal regulations.	
Precautions to be taken in handling and storage: Keep away from excessive heat.	
Other Precautions and/or Special Hazards: Keep from freezing. Read label before using.	
HMIS Rating: Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: b	
NFPA Rating: Health: 1 Flammability: 1 Reactivity: 0 Special: 0	
<b>CANADIAN REGULATIONS</b>	
WHMIS Class: B3 – Combustible liquid	
WHMIS Class: D2B- Toxic: Eye/Skin Irritant.	
<b>FIRE FIGHTING MEASURES</b>	
<b>FLAMMABLE PROPERTIES</b>	
Flammability Classification (29 CFR 1910.1200): Combustible liquid.	
Flash Point and Method: 82° C (180°F)	
Flammable Limits in Air- 2.5% -12.0% (Isopropanol)	
AutoFlammability and Autoignition Temperature: 456°C (852°F) (Isopropanol)	
<b>EXTINGUISHING MEDIA</b>	
Suitable Extinguishing Media: Alcohol foam, dry chemical, carbon dioxide, water fog.	
<b>ACCIDENTAL RELEASE MEASURES</b>	
Containment Technique:	Prevent from entering waterways and storm sewers.
Clean-Up Technique:	Contain spill. Cover spill with inert absorbent (absorball, vermiculate). Using non-sparking tools, shovel or sweep up into a clean container. Remove from area. Flush spill area with water.
Evacuation Procedures:	Follow normal Emergency Response Plan ( ERP).
<b>HANDLING AND STORAGE</b>	
<b>HANDLING</b>	
Handling Practices:	Use grounding wires if transferring large quantities. Keep away from oxidizers, heat and other ignition sources. Do not allow to freeze.
<b>STORAGE</b>	
Conditions For Safe Storage:	Keep away from oxidizers, heat and other ignition sources. Do not store in direct sunlight. Store in cool, dry well-ventilated area. Do not allow to freeze.
Ventilation Requirements For Storage:	None required.
Storage Temperature Range:	Below 40°C (104°F)
Storage Humidity Range:	Not applicable
Quantity Limits for Safe Storage: Not applicable	
Special Materials To Be Used For Packaging or Containers: Not applicable	
Transport Information: Not regulated	
<b>NOTE</b>	
Training Requirements: Workplace Hazardous Materials Information System training is required for handling and using this product in Canadian workplaces. U.S. OSHA requirements for handling chemical substances must be in place for handling and using this product in the United States.	
Recommended Uses and Restrictions: Cleaning of clear surfaces. Check for compatibility with material to be cleaned prior to use.	

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