

# SAFETY DATA SHEET

## 1. IDENTIFICATION AND GENERAL INFORMATION

P/N#: 0351, 0355, 0355-01, 0360, 0362-01, 0357-01  
Nomenclature: Lens Cleaning Solution  
**Recommended Use of the Chemical & Restrictions on Use:**  
Uses: Eyeglass lens cleaner.  
Company Name: Allegro Industries  
Address: 1360 Shiloh Church Rd  
Piedmont, SC 29673  
864-846-8740  
Chemtrac: 800-424-9300

## 2. HAZARDS IDENTIFICATION

**Appearance:** Clear, pale pink or pale blue liquid  
**Physical State:** Liquid  
**Odor:** Mild citrus

### Classification:

The information below is for the liquid in industrial quantities when used in an industrial setting. The solution as packed in a consumer quantity is considered a consumer good and when used as intended is unlikely to present a hazard

### Hazards Not Otherwise Classified (HNOC):

Causes mild skin irritation

## 3. COMPOSITION

Chemical Name	CAS No	Weight-%
Ethylene Glycol Monobutyl Ether	111-76-2	5-15

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST AID MEASURES

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**Skin Contact:** Wash with soap and water.  
**Inhalation:** Remove to fresh air.  
**Ingestion:** Clean mouth with water and drink afterwards plenty of water.

### Most important symptoms and effects:

Symptoms: Causes mild skin irritation.

### Indication of any immediate medical attention and special treatment needed:

Notes to Physician: Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
**Unsuitable Extinguishing Media:** Not determined.

**Specific Hazards Arising from the Chemical:** Not determined.

### Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Avoid contact with skin, eyes or clothing.  
Environmental Precautions: See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up:

Methods for Containment: Prevent further leakage or spillage if safe to do so.  
Methods for Clean-Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.  
Keep out of the reach of children.

### Conditions for safe storage, including any incompatibilities:

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.  
Incompatible Materials: None known based on information supplied.

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## 8. EXPOSURE CONTROLS

### Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m3 (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m3

### Appropriate engineering controls:

Engineering Controls: Apply technical measures to comply with the occupational exposure limits.

### Individual protection measures, such as personal protective equipment:

Eye/Face Protection: Avoid contact with eyes.  
 Skin and Body Protection: Wear suitable protective clothing.  
 Respiratory Protection: Ensure adequate ventilation, especially in confined areas.  
 General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties:

**Physical State:** Liquid  
**Appearance:** Clear, pale pink or pale blue liquid  
**Color:** Clear, pale pink or pale blue  
**Odor:** Mild citrus  
**Odor Threshold:** Not determined  
**pH:** 7  
**Melting Point/Freezing Point:** Not determined  
**Boiling Point/Boiling Range:** 100 °C / 210 °F  
**Flash Point:** Not determined  
**Evaporation Rate:** Not determined  
**Flammability (Solid, Gas):** Not determined  
**Upper Flammability Limits:** Not determined  
**Lower Flammability Limit:** Not determined  
**Vapor Pressure:** Not determined  
**Vapor Density:** 1.3  
**Specific Gravity:** 1.010  
**Water Solubility:** Soluble in water  
**Solubility in other solvents:** Not determined  
**Partition Coefficient:** Not determined  
**Auto-ignition Temperature:** Not determined  
**Decomposition Temperature:** Not determined  
**Kinematic Viscosity:** Not determined  
**Dynamic Viscosity:** Not determined  
**Explosive Properties:** Not determined  
**Oxidizing Properties:** Not determined  
**VOC Content:** 5.09

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions.  
**Chemical Stability:** Stable under recommended storage conditions.  
**Possibility of Hazardous Reactions:** None under normal processing.  
**Hazardous Polymerization:** Hazardous polymerization does not occur.  
**Conditions to Avoid:** Keep out of reach of children.  
**Incompatible Materials:** None known based on information supplied.  
**Hazardous Decomposition Products:** None known based on information supplied.

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## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**

**Product Information:**

Eye Contact: Avoid contact with eyes.  
 Skin Contact: Causes mild skin irritation.  
 Inhalation: Do not inhale.  
 Ingestion: Do not ingest.

**Component Information:**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol Monobutyl Ether 111-76-2	=470 mg/kg (Rat)	=2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	=2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h
Sodium Bicarbonate 144-55-8	=4220 mg/kg (Rat)	-	-

**Information on physical, chemical and toxicological effects:**

Symptoms: Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure:**

Carcinogenicity: Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl Ether 111-76-2	A3	Group 3		

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**Numerical measures of toxicity:**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information:**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethylene Glycol Monobutyl Ether 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1698-1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna/L EC50
Sodium Bicarbonate 144-55-8	650: 120 h Nitzschia linearis mg/L EC50	8250-9000: 96 h Lepomis macrochirus mg/L LC50 static		2350: 48 h Daphnia magna mg/L EC50

**Persistence/Degradability:** Not determined.

**Bioaccumulation:** Not determined.

**Mobility:**

Chemical Name	Partition Coefficient
Ethylene Glycol Monobutyl Ether 111-76-2	0.81

**Other Adverse Effects:** Not determined.

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:**

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.  
 Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

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**14. TRANSPORT INFORMATION**

**Note:** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.  
**DOT:** Not regulated  
**IATA:** Not regulated  
**IMDG:** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories:**

TSCA: Complies  
 DSL: Does not comply  
 NDSL: Does not comply  
 EINECS: Does not comply  
 ELINCS: Does not comply  
 ENCS: Does not comply  
 IECSC: Does not comply  
 KECL: Does not comply  
 PICCS: Does not comply  
 AICS: Does not comply

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations:**

**SARA 313:**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ethylene Glycol Monobutyl Ether 111-76-2	111-76-2	5-15	1.0

**US State Regulations:**

**U.S. State Right-to-Know Regulations:**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether 111-76-2	X	X	X

**16. OTHER INFORMATION**

	<u>NFPA</u>		<u>HMIS</u>	
<b>Health Hazards:</b>	1		<b>Health Hazards:</b>	1
<b>Flammability:</b>	0		<b>Flammability:</b>	0
<b>Instability:</b>	0		<b>Physical Hazards:</b>	0
<b>Special Hazards:</b>	Not determined		<b>Personal Protection:</b>	Not determined

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