

# 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	<6

\*\*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.

# SAFETY DATA SHEET

## 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.

# SAFETY DATA SHEET

## 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.

**SAFETY DATA SHEET**

**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	<6	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

Revised January 22, 2018                      Rev. K

**DISCLAIMER: THE INFORMATION FURNISHED HEREIN IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST DATA CURRENTLY AVAILABLE TO US. NO WARRANTY, EXPRESSED OR IMPLIED IS MADE AND ALLEGRO INDUSTRIES ASSUMES NO LEGAL RESPONSIBILITY OR LIABILITY RESULTING FROM ITS USE.**