1. IDENTIFICATION AND GENERAL INFORMATION

- **P/N:** 0350, 0350-26, 0350-1000
- **Name/Type:** Lens Cleaning Towelette
- **Recommended Use:** Lens cleaner, Instrument care, Water based cleaner
- **Company Name:** Allegro Industries
- **Address:** 1307 Shiloh Church Rd, Piedmont, SC 29673
  864-846-8740
  Chermitag, 800-242-9300

2. HAZARDS IDENTIFICATION

- **Appearance:** Liquid absorbed onto a towelette
- **Physical State:** Solid containing liquid
- **Odor:** Mild alcohol odor
- **Classification:** The information below is for the liquid absorbed onto the wipe when used in an industrial setting. The wipe itself is considered a consumer good and when used as intended is unlikely to present a hazard.

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

- **Hazard Statements:**
  Causes skin irritation
  May cause respiratory irritation. May cause drowsiness or dizziness. Highly flammable liquid and vapor

- **Precautionary Statements - Prevention:**
  - Wash face, hands and any exposed skin thoroughly after handling.
  - Wear eye/face protection.
  - Avoid breathing dust/fumes/gas/mist/vapors/spray
  - Use only outdoors or in a well-ventilated area.
  - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  - Keep container tightly closed.
  - Ground/bond container and receiving equipment.
  - Use explosion-proof equipment.
  - Use only non-sparking tools.
  - Take precautionary measures against static discharge.
  - Wear protective gloves/protective clothing/eye protection/face protection.

- **Precautionary Statements - Response:**
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - IF eye irritation persists: Get medical advice/attention.
  - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - Call a poison center or doctor/physician if you feel unwell.
  - IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction.

- **Precautionary Statements - Storage:**
  - Store locked up.
  - Store in a well-ventilated place. Keep container tightly closed.
  - Keep cool.

- **Precautionary Statements - Disposal:**
  - Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>20-30</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td>111-76-2</td>
<td>1-10</td>
</tr>
</tbody>
</table>

**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 immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists:
Get medical advice/attention.

Skin Contact: Wash with soap and water. If irritation persists or an allergic reaction occurs, call a physician.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen
If breathing has stopped, give artificial respiration. If symptoms persist, call a physician.

Ingestion: Do not induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to a person who is unconscious or convulsing. Consult a physician.

Most important symptoms and effects:
Symptoms: Causes serious eye irritation. Causes mild skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness
May cause nausea, vomiting, stomach ache, and diarrhea. Ingestion may cause central nervous system depression.

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:
Flammable.

Hazardous Combustion Products:
Carbon oxides.

Sensitivity to Mechanical Impact:
Not sensitive.

Sensitivity to Static Discharge:
Yes.

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: Use personal protective equipment as required. Avoid contact with eyes and skin. Remove all sources of ignition.

Environmental: See Section 12 for additional Ecological Information.

Precautions:

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: Use personal protective equipment as required. Wipe or soak up with absorbent material for disposal.

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, eyes or clothing.

Wear appropriate personal protective equipment. Keep away from heat, sparks, flame and other sources of ignition
(i.e., pilot lights, electric motors and static electricity). Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities:
Storage Conditions: Keep away from incompatible materials, open flames, and high temperatures. Keep container tightly closed
and store in a cool, dry and well-ventilated place. Keep out of the reach of children.

### 8. EXPOSURE CONTROLS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>STEL: 400 ppm</td>
<td>TWA: 400 ppm</td>
<td>IDLH: 2000 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 200 ppm</td>
<td>TWA: 980 mg/m³</td>
<td>TWA: 400 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 400 ppm</td>
<td>TWA: 980 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) STEL: 500 ppm</td>
<td>STEL: 500 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) STEL: 1255 mg/m³</td>
<td>STEL: 1255 mg/m³</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ester</td>
<td>TWA: 20 ppm</td>
<td>TWA: 50 ppm</td>
<td>IDLH: 700 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 245 mg/m³</td>
<td>TWA: 5 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 25 ppm</td>
<td>TWA: 24 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 125 mg/m³</td>
<td>TWA: 1255 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) STEL: 5*</td>
<td></td>
</tr>
</tbody>
</table>

**Appropriate engineering controls:**
- Showers
- Eyewash stations
- Ventilation systems

**Individual protective measures, such as personal protective equipment:**
- 
  **Eye/Face Protection:** Avoid contact with eyes
  **Skin and Body Protection:** Protective gloves.
  **Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations:**
- Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before reuse. Provide regular cleaning of equipment, work areas and clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical State:** Solid containing liquid
- **Appearance:** Liquid absorbed onto a towelette
- **Color:** Colorless
- **Odor:** Mild alcohol odor
- **pH:** 7
- **Melting Point:** No information available
- **Freezing Point:** No information available
- **Boiling Point:** No information available
- **Flash Point:** 12 °C / 54 °F
- **Evaporation Rate:** No information available
- **Flammability:** Not determined
- **(Solid, Gas):**
  - **Upper Flammability Limit:** No information available
  - **Lower Flammability Limit:** No information available
- **Vapor Pressure:** No information available
- **Vapor Density:** No information available
- **Specific Gravity:** No information available
- **Water Solubility:** No information available
- **Solubility in other solvents:**
- **Partition Coefficient:** Not determined
- **Auto-ignition Temperature:** No information available
- **Decomposition:** No information available
- **Temperature:**
- **Kinematic Viscosity:** Not determined
- **Dynamic Viscosity:** Not determined
- **Explosive Properties:** Not determined
- **Oxidizing Properties:** Not determined
- **VOC Content:** No information available
10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Polymerization: Does not occur.
Hazardous Reactions: Hazardous polymerization does not occur.
Incompatible Materials: Carbon oxides.
Decomposition: Products:

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
Product Information:
Eye Contact: Causes serious eye damage.
Skin Contact: Causes mild skin irritation.
Inhalation: Do not inhale.
Ingestion: Do not ingest.

Component Information:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol 67-63-0</td>
<td>4396 mg/kg (Rat)</td>
<td>= 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit)</td>
<td>= 72.6 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether 111-76-2</td>
<td>470 mg/kg (Rat)</td>
<td>= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)</td>
<td>= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h</td>
</tr>
</tbody>
</table>

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: The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol 67-63-0</td>
<td></td>
<td>Group 3</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether 111-76-2</td>
<td>A3</td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogens
IARC (International Agency for Research on Cancer)
Group 3: IARC components are "not classifiable as human carcinogens"
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

STOT - single exposure: May cause respiratory irritation. May cause drowsiness or dizziness.
Chronic toxicity: Avoid repeated exposure. Contains a known or suspected reproductive toxin.

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacean</th>
</tr>
</thead>
</table>
| Isopropyl Alcohol 67-63-0    | 1000: 96 h *Desmodesmus subspicatus* mg/L LC50  
1000: 72 h *Desmodesmus subspicatus* mg/L LC50 | 96-h *Pimephales promelas* mg/L LC50  
flow through 1130: 96 h  
Pimephales promelas mg/L LC50 static 1430000: 96 h  
*Leponis macrochirus* mg/L LC50 | 13299: 48 h *Daphnia magna* mg/L EC50 |
| Ethylene Glycol Monobutyl Ether 111-76-2 | 1490: 96 h *Leponis macrochirus* mg/L LC50  
static 2950: 96 h *Leponis macrochirus* mg/L LC50 |                                   | 1698: 1040: 24 h *Daphnia magna* mg/L  
EC50 1000: 48 h *Daphnia magna* mg/L  
EC50 |

Persistence/Degradability:
Not determined.

Bioaccumulation:
Not determined.

Mobility:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol 67-63-0</td>
<td>0.05</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether 111-76-2</td>
<td>0.81</td>
</tr>
</tbody>
</table>

Other Adverse Effects:
Not determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

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

California Hazardous Waste Status:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
</table>
| Isopropyl Alcohol 67-63-0    | Toxic  
ignitable |

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>Present</td>
<td>X</td>
<td></td>
<td></td>
<td>Present</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>Present</td>
<td>X</td>
<td></td>
<td></td>
<td>Present</td>
</tr>
<tr>
<td>Monobutyl Ether</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Monobutyl Ether</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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:**
- CERCLA:
  This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 313).

**SARA 311/312 Hazard Categories:**
- Acute Health Hazard: Yes
- Chronic Health Hazard: Yes
- Fire Hazard: No
- Sudden Release of Pressure Hazard: No
- Reactive Hazard: No

**SARA 313:**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight -%</th>
<th>SARA 313 - Threshold Value %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol - 67-63-0</td>
<td>67-63-0</td>
<td>27</td>
<td>1.0</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether - 111-76-2</td>
<td>111-76-2</td>
<td>3.72</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**CWA (Clean Water Act):**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations:**
- California Proposition 65:
  This product does not contain any Proposition 65 chemicals.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Monobutyl Ether</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

## 16. OTHER INFORMATION

**NEPA**
- Health Hazards: 2
- Flammability: 3
- Instability: Not determined
- Special Hazards: Not determined

**HMIS**
- Health Hazards: 2
- Flammability: 3
- Physical Hazards: 0
- Personal Protection: B- Safety Glasses, Gloves

Revised January 15, 2015

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