

SAFETY DATA SHEET

1. IDENTIFICATION AND GENERAL INFORMATION

P/N#: 0350, 0350-20, 0350-1000, 0353
 Nomenclature: Lens Cleaning Towelette
Recommended Use of the Chemical & Restrictions on Use:
 Uses: Lens cleaner. Instrument care. Water based cleaner.
 Company Name: Allegro Industries
 Address: 1360 Shiloh Church Rd
 Piedmont, SC 29673
 864-846-8740
 Chemtrac: 800-424-9300

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.

| | |
|--|------------|
| Serious eye damage/eye irritation | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable Liquids | Category 2 |

Hazards Not

Otherwise Classified (HNOC): Causes mild skin irritation

Signal Word: Danger

Hazard Statements: Causes serious eye 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/fume/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

| Chemical Name | CAS No | Weight % |
|---------------------------------|----------|----------|
| Isopropyl Alcohol | 67-63-0 | 20-30 |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 1-10 |

****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.****

SAFETY DATA SHEET

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 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: 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.
Incompatible Materials: Strong oxidizing agents. Acids. Chlorinated compounds.

SAFETY DATA SHEET

8. EXPOSURE CONTROLS

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|-------------------------------|---|---|
| Isopropyl Alcohol 67-63-0 | STEL: 400 ppm TWA: 200 ppm | TWA: 400 ppm TWA: 980 mg/m3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m3 | IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m3 STEL: 500 ppm STEL: 1225 mg/m3 |
| 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: Showers. Eyewash stations. Ventilation systems.

Individual protection 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 |
| Odor Threshold: | No information available |
| pH: | 7 |
| Melting Point/ | No information available |
| Freezing Point: | |
| Boiling Point/ | No information available |
| Boiling Range: | |
| Flash Point: | 12 °C / 54 °F |
| Evaporation Rate: | No information available |
| Flammability | Not determined |
| (Solid, Gas): | |
| Upper Flammability | No information available |
| Limits: | |
| Lower Flammability | No information available |
| Limit: | |
| Vapor Pressure: | No information available |
| Vapor Density: | No information available |
| Specific Gravity: | No information available |
| Water Solubility: | No information available |
| Solubility in other | No information available |
| solvents: | |
| Partition Coefficient: | Not determined |
| Auto-ignition | No information available |
| Temperature: | |
| 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 Reactions: Hazardous polymerization does not occur.
Hazardous Polymerization: Hazardous polymerization does not occur.
Conditions to Avoid: Heat, flames and sparks. Incompatible Materials.
Incompatible Materials: Strong oxidizing agents. Acids. Chlorinated compounds.
Hazardous Decomposition Products: Carbon oxides.

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:

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|--------------------|--|---|
| Isopropyl Alcohol 67-63-0 | = 4396 mg/kg (Rat) | = 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit) | = 72.6 mg/L (Rat) 4 h |
| 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 |

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.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|-------|---------|-----|------|
| Isopropyl Alcohol 67-63-0 | | Group 3 | | X |
| 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"

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

SAFETY DATA SHEET

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.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--|--|---|----------------------------|---|
| Isopropyl Alcohol 67-63-0 | 1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50 | 9640: 96 h Pimephales promelas mg/L LC50 flow through 11130:96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50 | | 13299: 48 h Daphnia magna mg/L EC50 |
| 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 mg/L EC50 |

Persistence/Degradability:

Not determined.

Bioaccumulation:

Not determined.

Mobility:

| Chemical Name | Partition Coefficient |
|---|-----------------------|
| Isopropyl Alcohol 67-63-0 | 0.05 |
| Ethylene Glycol Monobutyl Ether 111-76-2 | 0.81 |

Other Adverse Effects:

Not determined.

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods:**

Disposal of Wastes:

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:

| Chemical Name | California Hazardous Waste Status |
|------------------------------|-----------------------------------|
| 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

SAFETY DATA SHEET

15. REGULATORY INFORMATION

International Inventories:

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS |
|------------------------------------|---------|-----|------|---------|--------|
| Isopropyl Alcohol | Present | X | | Present | |
| Ethylene Glycol Monobutyl Ether | Present | X | | Present | |

| Chemical Name | ENCS | IECSC | KECL | PICCS | AICS |
|------------------------------------|---------|-------|---------|-------|------|
| Isopropyl Alcohol | Present | X | Present | X | X |
| Ethylene Glycol Monobutyl Ether | Present | X | Present | X | X |

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 355).

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:

| Chemical Name | CAS No | Weight - % | SARA 313 - Threshold Values % |
|--|----------|------------|----------------------------------|
| Isopropyl Alcohol - 67-63-0 | 67-63-0 | 27 | 1.0 |
| Ethylene Glycol Monobutyl Ether - 111-76-2 | 111-76-2 | 3.72 | 1.0 |

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:

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Isopropyl Alcohol 67-63-0 | X | X | X |
| Ethylene Glycol Monobutyl Ether 111-76-2 | X | X | X |

16. OTHER INFORMATION

NFPA

| | |
|------------------|----------------|
| Health Hazards: | 2 |
| Flammability: | 3 |
| Instability: | Not determined |
| Special Hazards: | Not determined |

Revised July 18, 2018

Rev. H

HMIS

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

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