SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form: Wipe, mixture
Product name: Aerospace Lens Wipe
Product group: Trade product
Product code: LB-CLC/A
Part number: TR-LC/A

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Use of the Substance/Preparation: Surface cleaning

1.2.2. Uses advised against
No data available

1.3. Details of the supplier of the safety data sheet
Celeste Industries Corporation
8221 Teal Drive, suite 405
Easton, Maryland 21601 (USA)
Within USA: (410) 822-5775
International: 00 (1) 410-822-5775
e-mail: info@celestecorp.com

1.4. Emergency telephone number
Emergency contact number: For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours)
within USA and CANADA: 1-800-424-9300
Outside USA and Canada (collect call accepted): 1-703-527-3883

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Directive 67/548/EEC or 1999/45/EC
Not classified as hazardous
Adverse physicochemical, human health and environmental effects
Not classified as dangerous for use/supply

2.2. Label elements
Labelling according to Directive 67/548/EEC or 1999/45/EC
No marking required

2.3. Other hazards
Not classified

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Directive 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>(CAS No.) 64-17-5</td>
<td>10 - 12</td>
<td>Flam. Liq. 2, H225</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures after inhalation: Unlikely route of exposure

EN (English) 1/6
First-aid measures after skin contact: Not known to cause irritation, but if skin irritation does occur, rinse well with water.
First-aid measures after eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes.
First-aid measures after ingestion: Seek medical attention immediately. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after skin contact: Intended for hand use without causing irritation.
Symptoms/injuries after eye contact: May cause irritation to the eyes.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media: Water.
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Non-flammable liquid, according to Annex VI of Directive 67/548/EEC, mixture having a flash point greater than 21 °C and less than 55 °C need not be classified as flammable if the mixture could not in any way support combustion.
Reactivity: Stable under normal conditions of use.

5.3. Advice for firefighters
Protective equipment for firefighters: Wear proper protective equipment. Extra personal protection: complete protective clothing.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Protective equipment: Chemical resistant gloves as needed. Use splash goggles to prevent eye contact as needed.
Emergency procedures: Avoid contact with eyes. No special emergency procedures.

6.1.2. For emergency responders
Protective equipment: Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.
Emergency procedures: Eliminate leaks immediately. Clean spills promptly. Material spilled on hard surface can present a serious slipping/falling hazard.

6.2. Environmental precautions
No special requirements.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, dike with dirt, then remove by vacuum truck for disposal.

6.4. Reference to other sections
Refer to sections 8 and 13.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling: Avoid contact with eyes.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Provide adequate ventilation.
Storage condition(s): Avoid freezing during storage.

7.3. Specific end use(s)
No data available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>Austria</th>
<th>Belgium</th>
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<tbody>
<tr>
<td>Ethanol (64-17-5)</td>
<td>MAK (mg/m³)</td>
<td>MAK (mg/m³)</td>
</tr>
<tr>
<td></td>
<td>Austria</td>
<td>MAK (ppm)</td>
</tr>
<tr>
<td></td>
<td>Austria</td>
<td>MAK Short time value (mg/m³)</td>
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<tr>
<td></td>
<td>Austria</td>
<td>MAK Short time value (ppm)</td>
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<tr>
<td></td>
<td>Belgium</td>
<td>Limit value (mg/m³)</td>
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<tr>
<td></td>
<td>Belgium</td>
<td>Limit value (ppm)</td>
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</table>
### Safety Data Sheet
according to Regulation (EC) No. 453/2010

<table>
<thead>
<tr>
<th>Country</th>
<th>Regulation</th>
<th>Exposure Limit Value (mg/m³)</th>
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<tr>
<td>France</td>
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<td>5000</td>
</tr>
<tr>
<td>France</td>
<td>VME</td>
<td>1900</td>
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</tr>
<tr>
<td>Germany</td>
<td>TRGS 900</td>
<td>960</td>
<td>500</td>
</tr>
<tr>
<td>Italy - Portugal - USA</td>
<td>ACGIH</td>
<td>1884</td>
<td>1000</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL</td>
<td>1900</td>
<td>1000</td>
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<td>Switzerland</td>
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<td>1920</td>
<td>1000</td>
</tr>
<tr>
<td>Switzerland</td>
<td>VME</td>
<td>960</td>
<td>500</td>
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<td>United Kingdom</td>
<td>WEL TWA</td>
<td>1920</td>
<td>1000</td>
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<tr>
<td>Czech Republic</td>
<td>Expoziční limity (PEL)</td>
<td>1000</td>
<td>530</td>
</tr>
<tr>
<td>Finland</td>
<td>HTP-arvo (8h)</td>
<td>1900</td>
<td>7600</td>
</tr>
<tr>
<td>Finland</td>
<td>HTP-arvo (15 min)</td>
<td>2500</td>
<td>1300</td>
</tr>
<tr>
<td>Hungary</td>
<td>AK-érték</td>
<td>1900</td>
<td>7600</td>
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<tr>
<td>Ireland</td>
<td>OEL (8 hours ref)</td>
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<td>NDS</td>
<td>1900</td>
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<td>NPHV (priemerná)</td>
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<tr>
<td>Slovakia</td>
<td>NPHV (priemerná)</td>
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<tr>
<td>Australia</td>
<td>TWA</td>
<td>1920</td>
<td>1000</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Appropriate engineering controls: Ensure adequate ventilation.
Personal protective equipment: Not required if used as intended.

Hand protection: Not required
Eye protection: Normally not required.
Skin and body protection: Normally not required.
Respiratory protection: Normally not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state: Saturated towelfte
- Appearance: Thin liquid
- Colour: Clear
- Odour: Pleasant scent
- Odour threshold: No data available
- pH: No data available
- Relative evaporation rate (butylacetate=1): No data available
- Melting point: No data available
- Freezing point: 32 °F
- Boiling point: No data available
- Flash point: 36.1 °C
- Self ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): No data available
- Vapour pressure: No data available
- Relative vapour density at 20 °C: 2.07
- Relative density: 0.95
- Solubility: No data available
- Log Pow: No data available
- Log Kow: No data available
- Viscosity, kinematic: No data available
- Viscosity, dynamic: No data available
- Explosive properties: No data available
- Oxidising properties: No data available
- Explosive limits: No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- Acute toxicity: Not classified
- Ethanol (64-17-5) – LD50 oral rat: 10470 mg/kg
- Skin corrosion/irritation: Not classified
**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ethanol (64-17-5)**

<table>
<thead>
<tr>
<th>Toxicity Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes</td>
<td>&gt; 14200 mg/l 96 hours</td>
</tr>
<tr>
<td>LC50 other aquatic organisms</td>
<td>5012 mg/l 48 hours- daphnia</td>
</tr>
<tr>
<td>EC50 Daphnia</td>
<td>454 mg/l</td>
</tr>
<tr>
<td>NOEC (acute)</td>
<td>9.6 mg/l Daphnia magna</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>275 mg/l</td>
</tr>
<tr>
<td>ErC50 (other aquatic plants)</td>
<td>4432 mg/l</td>
</tr>
</tbody>
</table>

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

**12.6. Other adverse effects**

Not applicable

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Regional legislation (waste) : Dispose of contents/container to comply with applicable local, national and international regulations.

Waste disposal recommendations : Comply with local regulations for disposal.

**SECTION 14: Transport information**

Not classified as dangerous for transport.

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.1.1. EU-Regulations**

Contains no REACH candidate substance


**15.1.2. National regulations**

No data available

**15.2. Chemical safety assessment**

CSA has not been established

**SECTION 16: Other information**

Sources of Key data : MSDS.
Abbreviations and acronyms:


Full text of R-, H- and EUH-phrases:

| Flam. Liq. 2 | flammable liquids Category 2 |
| Flam. Liq. 3 | flammable liquids Category 3 |
| H225       | Highly flammable liquid and vapour |
| H226       | Flammable liquid and vapour |
| R11        | Highly flammable |

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

| Flam. Liq. 3 | H226 |

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