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

1.1. **Product identifier**
- **Trade name**: CL114 Ester Refrigeration Lubricant 100 + U/V Dye
- **Product code**: CL114

1.2. **Relevant identified uses of the substance or mixture and uses advised against**
- **Use of the substance/mixture**: Polyol Ester based lubricant with leak detection dye for use in air conditioning systems.

1.3. **Details of the supplier of the safety data sheet**
- **Tire Seal, Inc.**
  - 3574 Corona Street
  - 33461 Lake Worth, Florida - USA
  - T 561-582-2245 - F 561-582-1499
  - www.supercool.ac

1.4. **Emergency telephone number**
- **Emergency number**: USA PHONE: 1-800-373-7542, INT'L: 1-484-951-2432
- **DGA/AAG ENVIRONMENTAL CONTRACT**: DGA4000-048

## SECTION 2: Hazards identification

2.1. **Classification of the substance or mixture**
- **Classification (GHS-US)**: Not classified

2.2. **Label elements**
- **GHS-US labeling**: No labeling applicable

2.3. **Other hazards**
- **No additional information available**

2.4. **Unknown acute toxicity (GHS-US)**
- **No data available**

## SECTION 3: Composition/Information on ingredients

3.1. **Substance**
- **Not applicable**
- **Full text of H-phrases**: see section 16

3.2. **Mixture**

## SECTION 4: First aid measures

4.1. **Description of first aid measures**
- **First-aid measures general**: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- **First-aid measures after inhalation**: Allow victim to breathe fresh air. Allow the victim to rest.
- **First-aid measures after skin contact**: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- **First-aid measures after eye contact**: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- **First-aid measures after ingestion**: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. **Most important symptoms and effects, both acute and delayed**
- **Symptoms/injuries**: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. **Indication of any immediate medical attention and special treatment needed**
- **No additional information available**

## SECTION 5: Firefighting measures

5.1. **Extinguishing media**
- **Unsuitable extinguishing media**: Do not use a heavy water stream.
5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in original container. Keep cool. Keep container closed when not in use. Store in dry protected location to prevent any moisture contact.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls
Personal protective equipment: Avoid all unnecessary exposure.
Hand protection: The use of gloves impervious to the specific material handled is advised to prevent skin contact. Suggested protective material: Nitrile, 4.5 mil thickness, tested at 3.5 ml and above with no breakthrough time after 240 minutes.
Eye protection: Chemical goggles or safety glasses.
Respiratory protection: Normally not required. Where there is potential for airborne exposure above the exposure limit an approved air purifying respirator equipped with Type R or P95 particle filters may be used.
Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Liquid
Color: Yellow-Green Tint.
Odor: Characteristic.
Odor threshold: No data available
pH: No data available
Relative evaporation rate (butyl acetate=1): No data available
Melting point: No data available
Freezing point: No data available
CL114 Ester Refrigeration Lubricant 100 + U/V Dye
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Boiling point: No data available
Flash point: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Relative density: No data available
Solubility: No data available
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: 90 - 110 cSt @40°C
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidizing properties: No data available
Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Not established.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified
Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Based on available data, the classification criteria are not met
Carcinogenicity: (Not expected to cause cancer. This oil meets the IP-346 criteria of less than 3 percent PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.)
Reproductive toxicity: Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met
Aspiration hazard: Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - water: Harmful to aquatic life with long lasting effects. Toxic to aquatic life.
12.2. Persistence and degradability

| CL114 Ester Refrigeration Lubricant 100 + U/V Dye | Persistence and degradability | May cause long-term adverse effects in the environment. |

12.3. Bioaccumulative potential

| CL114 Ester Refrigeration Lubricant 100 + U/V Dye | Bioaccumulative potential | Not established. |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: Disposal should be made in accordance with federal, state and local regulations.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Additional information

Other information: No supplementary information available.

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

| CL114 Ester Refrigeration Lubricant 100 + U/V Dye | WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

EU-Regulations

No additional information available

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

Aquatic Chronic 3  H412

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2. National regulations

No additional information available

15.3. US State regulations

| CL114 Ester Refrigeration Lubricant 100 + U/V Dye() | U.S. - California - Proposition 65 - Carcinogens List | No |

| CL114 Ester Refrigeration Lubricant 100 + U/V Dye() | U.S. - California - Proposition 65 - Developmental | No |

22/12/2014 EN (English US)  4/5
### CL114 Ester Refrigeration Lubricant 100 + U/V Dye

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>CL114 Ester Refrigeration Lubricant 100 + U/V Dye()</th>
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<tbody>
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<td><strong>Toxicity</strong></td>
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<tr>
<td>U.S. - California - Proposition 65 - Reproductive</td>
</tr>
<tr>
<td>Toxicity - Female</td>
</tr>
<tr>
<td>No</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive</td>
</tr>
<tr>
<td>Toxicity - Male</td>
</tr>
<tr>
<td>No</td>
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</tbody>
</table>

### SECTION 16: Other information

- **NFPA health hazard**: 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.
- **NFPA fire hazard**: 1 - Must be preheated before ignition can occur.
- **NFPA reactivity**: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

SDS US (GHS HazCom 2012) - TSI

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