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

1.1. **Product identifier**
   - **Product form**: Mixture
   - **Trade name**: CL113 Green UV Leak Detection Dye Concentrate
   - **Product code**: CL113

1.2. **Relevant identified uses of the substance or mixture and uses advised against**
   - Use of the substance/mixture: Ultraviolet Dye concentrate used to detect leaks 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](http://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**

3.2. **Mixture**
   - **Full text of H-phrases: see section 16**

### 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**: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
   - **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.

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.

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
No additional information available

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container closed when not in use.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition.

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: Where there is potential for airborne exposure above the exposure limit an approved air purifying respirator equipped with Type P2 - Medium efficiency 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
Appearance: Opaque.
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
Boiling point: No data available
CL113 Green UV Leak Detection Dye Concentrate
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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: No data available
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

C.I. acid yellow 73 (518-47-8)

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<thead>
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<th>Result</th>
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<tr>
<td>LD50 oral rat</td>
<td>6721 mg/kg (Rat)</td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
<td>6721.000 mg/kg body weight</td>
</tr>
</tbody>
</table>

Skin corrosion/iritation: Not classified
Serious eye damage/iritation: 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
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C.I. acid yellow 73 (518-47-8)

12.2. Persistence and degradability

CL113 Green UV Leak Detection Dye Concentrate
Persistence and degradability
Not established.

C.I. acid yellow 73 (518-47-8)
Persistence and degradability
Readily biodegradable in water.

12.3. Bioaccumulative potential

CL113 Green UV Leak Detection Dye Concentrate
Bioaccumulative potential
Not established.

C.I. acid yellow 73 (518-47-8)
Log Pow
-0.67 (Calculated; 3.35; Calculated)
Bioaccumulative potential
Low potential for bioaccumulation (Log Kow < 4).

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: Dispose in a safe manner in accordance with local/national 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
CL113 Green UV Leak Detection Dye Concentrate
WHMIS Classification
Uncontrolled product according to WHMIS classification criteria

EU-Regulations
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Eye Irrit. 2 H319
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

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<th>U.S. - California - Proposition 65 - Carcinogens List</th>
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</tbody>
</table>

SECTION 16: Other information

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

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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