

# Material Safety Data Sheet

## (16914-01)

### Section 1: Chemical Product and Company Identification

|   |  |
|---|--|
| <p><b>Product Name:</b> Cargille Immersion Oil</p> <p><b>Catalog Number:</b> 16914-01, 16909-04</p> <p><b>CAS#:</b> See Section 3</p> | <p><b>Contact Information:</b><br/> <b>Electron Microscopy Sciences</b><br/>           1560 Industry Road<br/>           Hatfield, PA 19440<br/>           1-215-412-8400 (phone)<br/>           1-800-523-5874 (toll-free)<br/>           1-215-412-8450 (fax)<br/> <b>Order Online:</b> emsdiasum.com</p> <p><b>CHEMTREC (24-Hour Emergency Telephone), call:</b> 1-800-424-9300</p> |
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### Section 2: Composition and Information on Ingredients

|  |        |   |  |
|--|--------|---|--|
| Boiling Point at 760 mm Hg 340 °C                    | 644 °F | Specific Gravity (H <sub>2</sub> O = 1) Temp. 23 °C/73 °F     | .9                                       |
| Vapor Pressure in mm Hg (Temp.) 73 °F                | < 0.1  | Melting Point   | < 32 °F                                  |
| Vapor Density (Air = 1) at (mm Hg & temp.) 760 73 °F | ca 1   | Evaporation Rate at 760 mm Hg & 23 °C/73 °F (mineral oil = 1) | ca 1                                     |
| Solubility in water at (mm Hg & temp.) 760 73 °F     | NIL    | Appearance and Odor   | Light Yellow, slight characteristic odor |

### Section 3: Hazards Identification

| Hazardous Components | Common Name(s)         | OSHA PEL Ceiling  | ACGIH TLV T.W.A.  | Other Limits Recommended | % (Optional) |
|----------------------|------------------------|-------------------|-------------------|--------------------------|--------------|
| Trade Secret         | Hydrogenated Terphenyl | N.E.              | 5 mg/cubic meter* |                          |              |
| Trade Secret         | Terphenyl              | 5 mg/cubic meter* | 5 mg/cubic meter* |                          |              |
| Trade Secret         | Natural Hydrocarbons   | 5 mg/cubic meter* | 5 mg/cubic meter* | If misted                |              |
| Trade Secret         | Polybutenes            | 5 mg/cubic meter* | 5 mg/cubic meter* | If misted                |              |

### Section 4: First Aid Measures

|     |
|-----|
| N/A |
|-----|

### Section 5: Fire and Explosion Data

**Flash Point (Cup Method used):** > 325 °F (163 °C) C.O.C.  
**Extinguishing Media:** Carbon Dioxide, Foam, Dry Chemical, or any Class B Agent  
**Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** None  
**LEL:** N.D.F.  
**UEL:** N.D.F

### Section 6: Accidental Release Measures

N/A

### Section 7 : Handling and Storage

**Steps to be taken in case material is released or spilled:** Absorb, place in plastic (polyethylene or polypropylene) container, cap or twist tie closure.

**Waste Disposal Method:** All chemical disposals must be in accordance with current local, state, and federal regulations.

**Precautions to be taken in handling and storing:** Store between 65 °F and 90 °F (18 °C and 32 °C)

**Other Precautions:** Avoid continual direct sunlight, vaporizing or atomizing.

### Section 8: Exposure Controls/Personal Protection

**Respiratory Protection:** Ventilation  
**Ventilation:**  
Local Exhaust: \*  
Special: N/A  
Mechanical (General): \*  
Other: N/A

**Protective Gloves:** \* Surgical Type, if worn  
**Eye Protection:** \*  
**Other Protective Clothing or Equipment:** \*

\*Not mandatory except as good laboratory industrial practices.  
Always use good hygienic work practices as to housekeeping, personal hygiene, use of chemical lab apron and splash goggles, avoidance of vapors, prolonged and repeated skin contact.

**Special Precautions:** N/A

### Section 9: Physical and Chemical Properties

N/A

### Section 10: Stability and Reactivity Data

**Stability:** Stable  
**Incompatibility:** Strong Oxidizers, heat above 150 °F  
**Hazardous Polymerization:** Will not occur

### Section 11: Toxicological Information

**Route of exposure:** Inhalation, Skin (slight), Mucous Membranes/eyes (slight), Ingestion (possible)

**Health Hazards:** None known at C.I.U

**Carcinogenicity Listed:** NTP (no), IARC Monographs (no), OSHA Carcinogen (no)

**Sign and Symptoms of Exposure:** Oily feel, if liquid is misted or above 150 °F (Not a C.I.U.) headaches and nausea possible.

**Medical Conditions Generally Aggravated by Exposure:** N.D.F.

**Emergency and First Aid Procedures:** Include possible material that may have been mixed with liquid during use.

**Inhalation:** (not likely at C.I.U.) If concern arises, remove to fresh air.

**Skin and Clothes:** Prompt soap and water wash.

**Eyes:** Flush with water, slight temporary irritation possible. Consult Physician.

**Ingestion:** Low order of toxicity, first aid normally not needed (consult Physician).

### Section 12: Ecological Information

N/A

### Section 13: Disposal Considerations

N/A

### Section 14: Transport Information

N/A

### Section 15: Other Regulatory Information

N/A

### Section 16: Other Information:

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