Section I - Product Identification

A mixture of terphenyl, hydrogenated terphenyl, polybutenes and natural hydrocarbons.

Section II - Hazards Identification

Overview: May be harmful if swallowed. May be irritating to skin eyes and respiratory tract.

Safety Ratings

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>Slight</td>
<td>None</td>
<td>Slight</td>
</tr>
</tbody>
</table>

Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: General storage

NFPA Ratings

Health = 0     Flammability = 1     Reactivity = 0

Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other hydrocarbons.

Inhalation: May be irritating

Ingestion: While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

Skin contact: Not normally a problem

Eye contact: May be irritating

Chronic Exposure: Unknown

Aggravation of preexisting conditions: Unknown

Section III - Composition/Information on Components

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS#</th>
<th>OSHA Pel</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogenated terphenyl</td>
<td>61788-32-7</td>
<td>5 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
<td>trade secret</td>
</tr>
<tr>
<td>Terphenyl</td>
<td>92-94-4</td>
<td>5 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
<td>trade secret</td>
</tr>
<tr>
<td>Polybutenes</td>
<td>——-</td>
<td>5 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
<td>trade secret</td>
</tr>
<tr>
<td>Natural hydrocarbons</td>
<td>——-</td>
<td>5 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
<td>trade secret</td>
</tr>
</tbody>
</table>

Section IV - First Aid Measures

Inhalation: Unlikely to be a problem under normal circumstances. Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person.

Skin Contact: Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice if irritation develops.
Section V - Fire Fighting Measures

Flash point: 163°C (325°F) TOC
Flammable Limits: Not applicable.
Fire: Not normally a fire hazard.
Explosion: Not normally an explosion hazard.
Fire Extinguishing Media: Any means suitable for surrounding fire.
Special Information: Pyrolysis will release corrosive oxides.

Section VI - Accidental Release Measures

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed container, protected from freezing.

Section VIII - Exposure Control/Personal Protection

Airborne Exposure Limits: See section III.
Ventilation System: Usually not required. When required, refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.
Personal Respirator: Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.
Skin Protection: Protective gloves are not required but recommended as part of good laboratory practice.
Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

Section IX - Physical and Chemical Properties

Boiling Point: ~340°C (644°F)
Density: 0.9 g/ml
Vapor pressure (mm Hg): < 0.1 @ 20°C
Evaporation Rate (water = 1): 0
Vapor Density (air = 1): ~1
Solubility: Insoluble
Appearance and Odor: A clear colorless liquid.

Section X - Stability and Reactivity

Stability: Freezes at very low temperature.
Hazardous Decomposition Products: Nothing unusual.
Hazardous Polymerization: Will not occur.
Incompatibilities: Nothing unusual.
Conditions to avoid: Excessive cold/heat and light.

Section XI - Toxicological Information

None relating to normal exposure.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Known Carcinogenicity?</th>
<th>NTP?</th>
<th>Anticipated?</th>
<th>IARC Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immersion Oil</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>None</td>
</tr>
</tbody>
</table>

Section XII - Ecological Information

Environmental Fate: Unknown.
Environmental Toxicity: Unknown, but not expected to be a problem.

Section XIII - Disposal Considerations

Usually not restricted but Local governments can restrict the amounts of hydrocarbons that may be flushed down drain.
Insure compliance with all government regulation.
Section XIV - Transportation Information

Not regulated.

Section XV - Regulatory Information

Chemical Inventory Status

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>EC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immersion Oil</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Federal, State and International Regulations

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>SARA 302</th>
<th>SARA 313</th>
<th>RCRA</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immersion Oil</td>
<td>No 261.33</td>
<td>No Ca. Prop 65</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SARA 311/312: Acute: No, Chronic: No, Fire: Yes

Chemical Weapons Convention: No

TSCA 12(b): No

CDTA: No

Section XVI - Other Information

This information is believed to be correct but is not waranteed as such, nor does it purport to be all inclusive.

Revision Date: May 4, 2015