Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Common Name/Trade Name</th>
<th>BRIJ 35</th>
</tr>
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<tr>
<td>Catalog Number(s)</td>
<td>BR105</td>
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<tr>
<td>CAS#</td>
<td>9002-92-0</td>
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<tr>
<td>RTECS</td>
<td>MD0875000</td>
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<tr>
<td>TSCA</td>
<td>TSCA 8(b) inventory: BRIJ 35</td>
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<tr>
<td>Manufacturer</td>
<td>SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248</td>
</tr>
<tr>
<td>Commercial Name(s)</td>
<td>Not available.</td>
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<tr>
<td>Synonym</td>
<td>Poly(oxyethylene)(23) lauryl ether</td>
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<tr>
<td>Chemical Name</td>
<td>Brij 35</td>
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<tr>
<td>Chemical Family</td>
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<tr>
<td>Chemical Formula</td>
<td>C58-H118-O24</td>
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<tr>
<td>Supplier</td>
<td>SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248</td>
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</table>

Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
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<tbody>
<tr>
<td>1) BRIJ 35</td>
<td>9002-92-0</td>
<td></td>
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Toxicological Data on Ingredients

BRIJ 35:

- ORAL (LD50): Acute: 1000 mg/kg [Rat]. 1170 mg/kg [Mouse].

Section 3. Hazards Identification

Potential Acute Health Effects: Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

- CARCINOGENIC EFFECTS: Not available.
- MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast.
- TERATOGENIC EFFECTS: Not available.
- DEVELOPMENTAL TOXICITY: Not available.
- Repeated or prolonged exposure is not known to aggravate medical condition.

Continued on Next Page
### Section 4. First Aid Measures

| Eye Contact | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention. |
| Skin Contact | Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used. |
| Serious Skin Contact | Not available. |
| Inhalation | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| Serious Inhalation | Not available. |
| Ingestion | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Serious Ingestion | Not available. |

### Section 5. Fire and Explosion Data

| Flammability of the Product | May be combustible at high temperature. |
| Auto-Ignition Temperature | Not available. |
| Flash Points | CLOSED CUP: >149°C (300.2°F). |
| Flammable Limits | Not available. |
| Products of Combustion | These products are carbon oxides (CO, CO2). |
| Fire Fighting Media and Instructions | SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. |
| Special Remarks on Fire Hazards | Not available. |
| Special Remarks on Explosion Hazards | Not available. |

### Section 6. Accidental Release Measures

| Small Spill | Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. |
| Large Spill | If the product is in its solid form: Use a shovel to put the material into a convenient waste disposal container. If the product is in its liquid form: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. |

Continued on Next Page
Section 7. Handling and Storage

Precautions
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, alkalis.

Storage
Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits
Not available.

Section 9. Physical and Chemical Properties

Physical state and appearance
Solid. (Waxy solid.)

Molecular Weight
1199.56 g/mole

pH (1% soln/water)
Not available.

Boiling Point
>100°C (212°F)

Melting Point
32.778°C (91°F)

Critical Temperature
Not available.

Specific Gravity
1.05 (Water = 1)

Vapor Pressure
Not applicable.

Vapor Density
Not available.

Volatile
Not available.

Odor Threshold
Not available.

Water/Oil Dist. Coeff.
Not available.

Ionicity (in Water)
Not available.

Dispersion Properties
See solubility in water.

Solubility
Soluble in cold water. Soluble in mineral and vegetable oils

Section 10. Stability and Reactivity Data

Stability
The product is stable.

Instability Temperature
Not available.

Conditions of Instability
Excess heat, incompatible materials

Incompatibility with various substances
Reactive with oxidizing agents, acids, alkalis.

Corrosivity
Non-corrosive in presence of glass.

Special Remarks on Reactivity
Not available.

Continued on Next Page
### Section 11. Toxicological Information

**Routes of Entry**
- Inhalation. Ingestion.

**Toxicity to Animals**
- Acute oral toxicity (LD50): 1000 mg/kg [Rat].

**Chronic Effects on Humans**
- MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast.

**Other Toxic Effects on Humans**
- Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals**
- Not available.

**Special Remarks on Chronic Effects on Humans**
- May affect genetic material (mutagenic)

**Special Remarks on other Toxic Effects on Humans**
- Acute Potential Health Effects:
  - Skin: Can cause mild skin irritation.
  - Eyes: Causes eye irritation.
  - Inhalation: Inhalation of dust may cause respiratory tract irritation.
  - Ingestion: No hazard is expected for ingestion of small amounts during normal industrial handling. Ingestion of large amounts may cause gastrointestinal tract irritation. May affect behavior/Central Nervous System, and respiration.

### Section 12. Ecological Information

**Ecotoxicity**
- Not available.

**BOD5 and COD**
- Not available.

**Products of Biodegradation**
- Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation**
- The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation**
- Not available.

### Section 13. Disposal Considerations

**Waste Disposal**
- Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14. Transport Information

**DOT Classification**
- Not a DOT controlled material (United States).

**Identification**
- Not applicable.

**Special Provisions for Transport**
- Not applicable.

**DOT (Pictograms)**
- [No symbol]
### Section 15. Other Regulatory Information and Pictograms

#### Federal and State Regulations

- **TSCA 8(b) inventory: BRIJ 35**

#### California Proposition 65

- **Warnings**
  
  California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.
  
  California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

#### Other Regulations

- **EINECS**: This product is on the European Inventory of Existing Commercial Chemical Substances.

#### Other Classifications

- **WHMIS (Canada)**
  - CLASS D-2B: Material causing other toxic effects (TOXIC).
- **DSCL (EEC)**
  - R36: Irritating to eyes.
  - S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - S39: Wear eye/face protection.
- **HMIS (U.S.A.)**
  - Health Hazard: 1
  - Fire Hazard: 1
  - Reactivity: 0
  - Personal Protection: E

#### Protective Equipment

- **Gloves.**
- **Lab coat.**
- **Dust respirator. Be sure to use an approved/certified respirator or equivalent.**
- **Splash goggles.**

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### Section 16. Other Information

<table>
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<tr>
<th>MSDS Code</th>
<th>B3830</th>
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<td>References</td>
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<td>Other Special Considerations</td>
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</table>

Validated by Sonia Owen on 9/21/2009.  
Verified by Sonia Owen.  

CALL (310) 516-8000

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**Notice to Reader**

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user’s responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.