Material Safety Data Sheet
Cello-Seal/Cello-Grease

ACC# 04367

Section 1 - Chemical Product and Company Identification

MSDS Name: Cello-Seal/Cello-Grease
Catalog Numbers: C601 100, C601100, C602 100, C602100
Synonyms: Cello-seal lubricant, Cello-grease lubricant, Celvacene
Company Identification:
Fisher Scientific
1 Reagent Lane
Fairlawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percent</th>
<th>EINECS/ELINCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8001-79-4</td>
<td>Castor Oil</td>
<td>70-95</td>
<td>232-293-8</td>
</tr>
<tr>
<td>9004-36-8</td>
<td>Cellulose acetate butyrate</td>
<td>5-30</td>
<td>unlisted</td>
</tr>
</tbody>
</table>

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: pale yellow or dark amber. Caution! May cause
irritation.

**Target Organs:** None.

**Potential Health Effects**

*Eye:* May cause eye irritation.
*Skin:* May cause skin irritation.
*Ingestion:* Ingestion of large amounts may cause gastrointestinal irritation.
*Inhalation:* May cause respiratory tract irritation.
*Chronic:* Not available.

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### Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. If irritation develops, get medical aid.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

*Ingestion:* If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.

*Inhalation:* Remove from exposure to fresh air immediately. Get medical aid if cough or other symptoms appear.

**Notes to Physician:** Treat symptomatically and supportively.

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### Section 5 - Firefighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

**Autoignition Temperature:** Not available.

**Flash Point:** Not available.

**NFPA Rating:** Not published. Explosion Limits, Lower: Not available. Upper: Not available.

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### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container.

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### Section 7 - Handling and Storage

**Handling:** Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:** Store in a cool, dry place. Store in a tightly closed container. Keep from
contact with oxidizing materials.

**Section 8 - Exposure Controls, Personal Protection**

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA - Final PELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Castor Oil</td>
<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
</tr>
<tr>
<td>Cellulose acetate butyrate</td>
<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
</tr>
</tbody>
</table>

**OSHA Vacated PELs:** Castor Oil: No OSHA Vacated PELs are listed for this chemical. Cellulose acetate butyrate: No OSHA Vacated PELs are listed for this chemical.

**Personal Protective Equipment**

- **Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- **Skin:** Wear appropriate gloves to prevent skin exposure.
- **Clothing:** Wear appropriate protective clothing to minimize contact with skin.
- **Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**Section 9 - Physical and Chemical Properties**

- **Physical State:** Liquid
- **Appearance:** pale yellow or dark amber
- **Odor:** None reported
- **pH:** Not available.
- **Vapor Pressure:** Not available.
- **Vapor Density:** Not available.
- **Evaporation Rate:**
- **Viscosity:** Not available.
- **Boiling Point:** 482 deg F
- **Freezing/Melting Point:** 194-266F
- ** Decomposition Temperature:** Not available.
- **Solubility:** Insoluble in water.
- **Specific Gravity/Density:** 0.9
- **Molecular Formula:** C57H110O9
- **Molecular Weight:**

**Section 10 - Stability and Reactivity**

- **Chemical Stability:** Stable.
- **Conditions to Avoid:** Incompatible materials.
- **Incompatibilities with Other Materials:** Strong oxidizers and strong bases.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#
CAS# 8001-79-4: Fl4100000
CAS# 9004-36-8 unlisted.
LD50/LC50:
Not available.
Not available.

Carcinogenicity:
CAS# 8001-79-4: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. CAS#
9004-36-8: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Section 12 - Ecological Information

Ecotoxicity: Not available.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.
RCRA D-Series Maximum Concentration of Contaminants: None listed.
RCRA D-Series Chronic Toxicity Reference Levels: None listed.
RCRA F-Series: None listed.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>US DOT</th>
<th>IATA</th>
<th>RID/ADR</th>
<th>IMO</th>
<th>Canada TDG</th>
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<tbody>
<tr>
<td>Shipping Name:</td>
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<td>No information available.</td>
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<tr>
<td>Hazard Class:</td>
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<tr>
<td>UN Number:</td>
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<tr>
<td>Packing Group:</td>
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Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 8001-79-4 is listed on the TSCA inventory.
CAS# 9004-36-8 is listed on the TSCA inventory.

Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.

Section 12b
None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)
None of the chemicals in this material have an RQ.

Section 302 (TPQ)
None of the chemicals in this product have a TPQ.

Section 313
No chemicals are reportable under Section 313.

Clean Air Act:
This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.

STATE
CAS# 8001-79-4 is not present on state lists from CA, PA, MN, MA, FL, or NJ.
CAS# 9004-36-8 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed. European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols:
Not available.
Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)
CAS# 8001-79-4: 1
CAS# 9004-36-8: No information available.

Canada
CAS# 8001-79-4 is listed on Canada’s DSL/NDSL List.
CAS# 9004-36-8 is listed on Canada’s DSL/NDSL List.
This product has a WHMIS classification of D2B.
CAS# 8001-79-4 is not listed on Canada’s Ingredient Disclosure List.
CAS# 9004-36-8 is not listed on Canada’s Ingredient Disclosure List.

Exposure Limits
Section 16 - Additional Information

MSDS Creation Date: 4/25/1995
Revision #4 Date: 9/02/1997

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

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