Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier
3M™ Clear Lube Wire Pulling Lubricant Series (WLC-QT, WLC-1, WLC-5)

Product Identification Numbers
80-6114-5046-3, 80-6114-5047-1, 80-6114-5048-9, 80-6114-5441-6, 80-6114-9093-1
7100027021, 7100027865, 7010349664

1.2. Recommended use and restrictions on use

Recommended use
Lubricant, Wire pulling lubricant.

1.3. Supplier’s details

MANUFACTURER: 3M
DIVISION: Electrical Markets Division
ADDRESS: 3M Center, St. Paul, MN 55144-1000, USA
Telephone: 1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number
1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification

2.2. Label elements

Signal word
Not applicable.

Symbols
Not applicable.

Pictograms
Not applicable.

SECTION 3: Composition/information on ingredients
**SECTION 4: First aid measures**

4.1. Description of first aid measures

Inhalation:
No need for first aid is anticipated.

Skin Contact:
Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye Contact:
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If Swallowed:
Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

**SECTION 5: Fire-fighting measures**

5.1. Suitable extinguishing media

Material will not burn. Non-combustible. Use a fire fighting agent suitable for surrounding fire. Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>During Combustion</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>During Combustion</td>
</tr>
</tbody>
</table>

5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.
6.2. Environmental precautions
Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up
Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
For industrial/occupational use only. Not for consumer sale or use. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

7.2. Conditions for safe storage including any incompatibilities
No special storage requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>Agency</th>
<th>Limit type</th>
<th>Additional Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>25322-68-3</td>
<td>AIHA</td>
<td>TWA(as aerosol):10 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>AIHA</td>
<td>TWA(as aerosol):10 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
CMRG: Chemical Manufacturer's Recommended Guidelines
OSHA: United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection
Under normal use conditions, eye exposure is not expected to be significant enough to require eye protection.

Skin/hand protection
No chemical protective gloves are required.

Respiratory protection
Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Appearance**
  - Physical state: Liquid
  - Color: Colorless

- **Specific Physical Form:**
  - Viscous

- **Odor**
  - Odorless

- **Odor threshold**
  - *No Data Available*

- **pH**
  - 6.5 - 8.5

- **Melting point**
  - *Not Applicable*

- **Boiling Point**
  - 100 °C

- **Flash Point**
  - No flash point

- **Evaporation rate**
  - *No Data Available*

- **Flammability (solid, gas)**
  - Not Applicable

- **Flammable Limits(LEL)**
  - *Not Applicable*

- **Flammable Limits(UEL)**
  - *Not Applicable*

- **Vapor Pressure**
  - 18 mmHg [@ 68.0000000000 °F]

- **Vapor Density**
  - 1.01 g/ml

- **Vapor Density**
  - 1.01 [Ref Std: WATER=1]

- **Density**
  - Not Applicable

- **Solubility in Water**
  - Complete

- **Solubility- non-water**
  - *No Data Available*

- **Partition coefficient: n-octanol/ water**
  - *Not Applicable*

- **Autoignition temperature**
  - *Not Applicable*

- **Decomposition temperature**
  - 110,000 - 115,000 centipoise

- **Viscosity**
  - *Not Applicable*

- **Bulk density**
  - Not Applicable

- **Hazardous Air Pollutants**
  - Not Applicable

- **Molecular weight**
  - Not Applicable

- **Volatile Organic Compounds**
  - 0 lb/gal

- **Percent volatile**
  - 0 %

- **Softening point**
  - *Not Applicable*

- **VOC Less H2O & Exempt Solvents**
  - 0 g/l

### SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.
10.6. Hazardous decomposition products

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aldehydes</td>
<td>Not Specified</td>
</tr>
<tr>
<td>Hydrocarbons</td>
<td>Not Specified</td>
</tr>
</tbody>
</table>

Refer to section 5.2 for hazardous decomposition products during combustion.

**SECTION 11: Toxicological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

**Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

**Inhalation:**
No known health effects.

**Skin Contact:**
Contact with the skin during product use is not expected to result in significant irritation.

**Eye Contact:**
Contact with the eyes during product use is not expected to result in significant irritation.

**Ingestion:**
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Toxicological Data**
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall product</td>
<td>Ingestion</td>
<td>No data available; calculated ATE &gt;5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50 &gt; 20,000 mg/kg</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 32,770 mg/kg</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50 20,800 mg/kg</td>
</tr>
<tr>
<td>Polyethylene-Polypropylene Glycol</td>
<td>Dermal</td>
<td>Professional judgement</td>
<td>LD50 estimated to be &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>Polyethylene-Polypropylene Glycol</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 5,700 mg/kg</td>
</tr>
<tr>
<td>SODIUM POLYACRYLATE</td>
<td>Dermal</td>
<td>Rabbit</td>
<td>LD50 &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>SODIUM POLYACRYLATE</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 &gt; 2,000 mg/kg</td>
</tr>
</tbody>
</table>

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
</table>
### Polyethylene Glycol

<table>
<thead>
<tr>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabbit</td>
<td>Minimal irritation</td>
</tr>
</tbody>
</table>

### Propylene Glycol

<table>
<thead>
<tr>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabbit</td>
<td>No significant irritation</td>
</tr>
</tbody>
</table>

### SODIUM POLYACRYLATE

<table>
<thead>
<tr>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabbit</td>
<td>No significant irritation</td>
</tr>
</tbody>
</table>

### Serious Eye Damage/Irritation

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>Rabbit</td>
<td>Mild irritant</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Rabbit</td>
<td>No significant irritation</td>
</tr>
<tr>
<td>SODIUM POLYACRYLATE</td>
<td>Rabbit</td>
<td>No significant irritation</td>
</tr>
</tbody>
</table>

### Skin Sensitization

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>Guinea pig</td>
<td>Not classified</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Human</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

### Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

### Germ Cell Mutagenicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>In Vitro</td>
<td>Not mutagenic</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>In vivo</td>
<td>Not mutagenic</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>In Vitro</td>
<td>Not mutagenic</td>
</tr>
</tbody>
</table>

### Carcinogenicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>Ingestion</td>
<td>Rat</td>
<td>Not carcinogenic</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Dermal</td>
<td>Mouse</td>
<td>Not carcinogenic</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Ingestion</td>
<td>Multiple animal species</td>
<td>Not carcinogenic</td>
</tr>
</tbody>
</table>

### Reproductive Toxicity

### Reproductive and/or Developmental Effects

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>Ingestion</td>
<td>Not classified for female reproduction</td>
<td>Rat</td>
<td>NOAEL 1,125 mg/kg/day</td>
<td>during gestation</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>Ingestion</td>
<td>Not classified for male reproduction</td>
<td>Rat</td>
<td>NOAEL 5699 +/- 1341 mg/kg/day</td>
<td>5 days</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>Not Specified</td>
<td>Not classified for reproduction and/or development</td>
<td>NOEL N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>Ingestion</td>
<td>Not classified for development</td>
<td>Mouse</td>
<td>NOAEL 562 mg/animal/day</td>
<td>during gestation</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Ingestion</td>
<td>Not classified for female reproduction</td>
<td>Mouse</td>
<td>NOAEL 10,100 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Ingestion</td>
<td>Not classified for male reproduction</td>
<td>Mouse</td>
<td>NOAEL 10,100 mg/kg/day</td>
<td>2 generation</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Ingestion</td>
<td>Not classified for development</td>
<td>Multiple animal species</td>
<td>NOAEL 1,330 mg/kg/day</td>
<td>during organogenesis</td>
</tr>
</tbody>
</table>
Target Organ(s)

Specific Target Organ Toxicity - single exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Target Organ(s)</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>Inhalation</td>
<td>respiratory irritation</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 1.008 mg/l</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Ingestion</td>
<td>central nervous system</td>
<td>Not classified</td>
<td>Human and animal</td>
<td>NOAEL Not available</td>
<td></td>
</tr>
</tbody>
</table>

Specific Target Organ Toxicity - repeated exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Target Organ(s)</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>Inhalation</td>
<td>respiratory system</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 1.008 mg/l</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>Ingestion</td>
<td>kidney and/or heart</td>
<td>Not classified</td>
<td>Rat</td>
<td>NOAEL 5,640 mg/kg/day</td>
<td>13 weeks</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Ingestion</td>
<td>hematopoietic system</td>
<td>Not classified</td>
<td>Multiple animal species</td>
<td>NOAEL 1,370 mg/kg/day</td>
<td>117 days</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Ingestion</td>
<td>kidney and/or bladder</td>
<td>Not classified</td>
<td>Dog</td>
<td>NOAEL 5,000 mg/kg/day</td>
<td>104 weeks</td>
</tr>
</tbody>
</table>

Aspiration Hazard
For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

Ecotoxicological information
Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

Chemical fate information
Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

SECTION 13: Disposal considerations

13.1. Disposal methods
Dispose of contents/container in accordance with the local/regional/national/international regulations.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements.

EPA Hazardous Waste Number (RCRA): Not regulated

SECTION 14: Transport Information
For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. US Federal Regulations
Contact 3M for more information.

EPCRA 311/312 Hazard Classifications:

<table>
<thead>
<tr>
<th>Physical Hazards</th>
<th>Health Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

15.2. State Regulations
Contact 3M for more information.

15.3. Chemical Inventories
The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information.

The components of this product are in compliance with the new substance notification requirements of CEPA.

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information.

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

15.4. International Regulations
Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

NFPA Hazard Classification
Health: 0  Flammability: 0  Instability: 0  Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address
the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Version Number: 3.01

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