



Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

3M Wire Pulling Lubricant Wax Series (WLX-QT, WLX-1, WLX-5)

Product Identification Numbers

| ID Number | UPC | ID Number | UPC |
|----------------|------------------|----------------|------------------|
| 80-6108-3364-4 | 00-54007-41742-2 | 80-6108-3365-1 | 00-54007-41743-9 |
| 80-6108-3366-9 | 00-54007-41744-6 | 80-6114-9094-9 | |

7100026918, 7000006087, 7000006088

1.2. Recommended use and restrictions on use

Recommended use

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

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label elements

Signal word

Not applicable.

Symbols

Not applicable.

Pictograms

Not applicable.

3% of the mixture consists of ingredients of unknown acute oral toxicity.

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|------------------------|------------|------------------------|
| WATER | 7732-18-5 | 90 - 99 |
| Paraffin Wax | 64742-61-6 | 1 - 3 Trade Secret * |
| GLYCOLS, POLYPROPYLENE | 25322-69-4 | 0.5 - 2 Trade Secret * |
| POLYETHYLENE GLYCOL | 25322-68-3 | 0.5 - 2 |
| SODIUM POLYACRYLATE | 9003-04-7 | 0.1 - 1 |

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

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

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. Use a fire fighting agent suitable for the surrounding fire. Non-combustible. Use a fire fighting agent suitable for surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products**Substance**

Carbon monoxide

Carbon dioxide

Condition

During Combustion

During Combustion

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. Observe precautions from other sections.

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

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.

| Ingredient | C.A.S. No. | Agency | Limit type | Additional Comments |
|------------------------|------------|--------|--|---------------------|
| POLYETHYLENE GLYCOL | 25322-68-3 | AIHA | TWA(as particulate):10 mg/m ³ | |
| GLYCOLS, POLYPROPYLENE | 25322-69-4 | AIHA | TWA(as aerosol):10 mg/m ³ | |

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 protective gloves 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**

| | |
|--|--|
| General Physical Form: | Liquid |
| Specific Physical Form: | Gel |
| Odor, Color, Grade: | White, viscous gel with no odor |
| Odor threshold | <i>No Data Available</i> |
| pH | 6.5 - 8.5 |
| Melting point | <=32 °F |
| Boiling Point | >=212 °F |
| Flash Point | No flash point |
| Evaporation rate | <i>No Data Available</i> |
| Flammability (solid, gas) | Not Applicable |
| Flammable Limits(LEL) | <i>Not Applicable</i> |
| Flammable Limits(UEL) | <i>Not Applicable</i> |
| Vapor Pressure | 18 mmHg [<i>Details:@20C.</i>] |
| Vapor Density | 0.9 - 1.1 [<i>Ref Std: AIR=1</i>] |
| Density | <i>Not Applicable</i> |
| Specific Gravity | 1.01 [<i>Ref Std: WATER=1</i>] |
| Solubility In Water | <i>No Data Available</i> |
| Solubility in Water | Soluble |
| Solubility- non-water | <i>No Data Available</i> |
| Partition coefficient: n-octanol/ water | <i>Not Applicable</i> |
| Autoignition temperature | <i>Not Applicable</i> |
| Decomposition temperature | <i>No Data Available</i> |
| Viscosity | 65,000 - 100,000 centipoise [<i>Test Method: Brookfield</i>] |
| Average particle size | <i>Not Applicable</i> |
| Bulk density | <i>Not Applicable</i> |
| Hazardous Air Pollutants | <i>Not Applicable</i> |
| Molecular weight | <i>Not Applicable</i> |
| Volatile Organic Compounds | <i>Not Applicable</i> |
| Percent volatile | 95 % weight |
| Percent volatile | <i>Not Applicable</i> |
| Softening point | <i>Not Applicable</i> |
| VOC Less H2O & Exempt Solvents | <i>Not Applicable</i> |

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.

Not Applicable

10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Hydrocarbons | Not Specified |

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

| Name | Route | Species | Value |
|------------------------|-----------|---------|--|
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| GLYCOLS, POLYPROPYLENE | Dermal | Rabbit | LD50 > 10,000 mg/kg |
| POLYETHYLENE GLYCOL | Dermal | Rabbit | LD50 > 20,000 mg/kg |
| GLYCOLS, POLYPROPYLENE | Ingestion | Rat | LD50 > 2,000 mg/kg |
| POLYETHYLENE GLYCOL | Ingestion | Rat | LD50 32,770 mg/kg |
| SODIUM POLYACRYLATE | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| SODIUM POLYACRYLATE | Ingestion | Rat | LD50 > 2,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|------------------------|---------|---------------------------|
| GLYCOLS, POLYPROPYLENE | Rabbit | No significant irritation |
| POLYETHYLENE GLYCOL | Rabbit | Minimal irritation |
| SODIUM POLYACRYLATE | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|------------------------|---------|---------------------------|
| GLYCOLS, POLYPROPYLENE | Rabbit | No significant irritation |
| POLYETHYLENE GLYCOL | Rabbit | Mild irritant |
| SODIUM POLYACRYLATE | Rabbit | No significant irritation |

Skin Sensitization

| Name | Species | Value |
|---------------------|------------|----------------|
| POLYETHYLENE GLYCOL | Guinea pig | Not classified |

Respiratory Sensitization

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

Germ Cell Mutagenicity

| Name | Route | Value |
|---------------------|----------|---------------|
| POLYETHYLENE GLYCOL | In Vitro | Not mutagenic |
| POLYETHYLENE GLYCOL | In vivo | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|---------------------|-----------|---------|------------------|
| POLYETHYLENE GLYCOL | Ingestion | Rat | Not carcinogenic |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|---------------------|---------------|--|---------|-------------------------------|-------------------|
| POLYETHYLENE GLYCOL | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,125 mg/kg/day | during gestation |
| POLYETHYLENE GLYCOL | Ingestion | Not classified for male reproduction | Rat | NOAEL 5699 +/- 1341 mg/kg/day | 5 days |
| POLYETHYLENE GLYCOL | Not Specified | Not classified for reproduction and/or development | | NOEL N/A | |
| POLYETHYLENE GLYCOL | Ingestion | Not classified for development | Mouse | NOAEL 562 mg/animal/day | during gestation |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---------------------|------------|------------------------|----------------|---------|---------------------|-------------------|
| POLYETHYLENE GLYCOL | Inhalation | respiratory irritation | Not classified | Rat | NOAEL 1.008 mg/l | 2 weeks |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---------------------|------------|--|----------------|---------|--------------------------|-------------------|
| POLYETHYLENE GLYCOL | Inhalation | respiratory system | Not classified | Rat | NOAEL 1.008 mg/l | 2 weeks |
| POLYETHYLENE GLYCOL | Ingestion | kidney and/or bladder heart endocrine system hematopoietic system liver nervous system | Not classified | Rat | NOAEL 5,640 mg/kg/day | 13 weeks |

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:**Physical Hazards**

Not applicable

Health Hazards

Not applicable

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 provisions of Japan Chemical Substance Control Law. 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.

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Conversion to GHS format SDS.

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