



Safety Data Sheet

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Document Group:	07-9990-8	Version Number:	1.00
Issue Date:	18/11/2020	Supersedes Date:	Initial Issue

SECTION 1: Identification

1.1. Product identifier

3M LUB-P

Product Identification Numbers

FE-5100-4989-6 FE-5100-4990-4

7100037104 7100047869

1.2. Recommended use and restrictions on use

Recommended use

Cable pulling lubricant

1.3. Supplier's details

ADDRESS: AO «3M Russia», 108811, Moscow, Poselenie Moskovskiy, Kievskoe shosse, 22 km, 6, bld.1
Telephone: 495 784 74 74
E Mail: 3mrucs@mmm.com
Website: www.3m.com

1.4. Emergency telephone number

1 (651)7376501

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Not classified as hazardous according to GOST R 32419-2013 "Classification of chemicals. General requirements".

2.2. Label elements

Signal word

Not applicable.

Symbols

Not applicable.

Pictograms

Not applicable.

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	CAS No. and EC No.	% by Wt	TLV in the working zone air (SRLI in the working zone air mg/m3)	Hazard types and categories	Source of information
Water	7732-18-5 231-791-2	90 - 100	See Section 08 for TLV Information		See Section 16 for Sources of Information
TALL-OIL FATTY ACIDS	61790-12-3 263-107-3	1 - 5	See Section 08 for TLV Information		See Section 16 for Sources of Information
Propylene Glycol	57-55-6 200-338-0	0 - 3	See Section 08 for TLV Information		See Section 16 for Sources of Information
2-Propenoic acid, homopolymer	9003-01-4	<= 1	See Section 08 for TLV Information	DERMAL 5 (acute toxicity); EE Acute 1; EE Chronic 2; ORAL 5 (acute toxicity)	See Section 16 for Sources of Information

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

No need for first aid is anticipated.

Skin Contact:

No need for first aid is anticipated.

Eye Contact:

No need for first aid is anticipated.

If Swallowed:

No need for first aid is anticipated.

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

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

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

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. Observe precautions from other sections.

6.2. Environmental precautions

Avoid release to the environment.

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. 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
Propylene Glycol	57-55-6	AIHA	TWA(as aerosol):10 mg/m3	
Propylene Glycol	57-55-6	Russian Federation MACs	CEIL(as vapor and aerosol):7 mg/m3	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

Russian Federation MACs : Russian Federation, Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones

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

Eye protection not required.

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

Physical state	Liquid
Specific Physical Form:	Gel
Color	Transparent Cream
Odor	Specific Odor
Odor threshold	No Data Available
pH	7 - 9
Melting point/Freezing point	No Data Available
Boiling point/Initial boiling point/Boiling range	100 °C
Flash Point	Not Applicable
Evaporation rate	No Data Available
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	No Data Available
Flammable Limits(UEL)	No Data Available
Vapor Pressure	2,399.8 Pa
Vapor Density and/or Relative Vapor Density	0.9 - 1.1 [Ref Std: AIR=1]
Relative Density	1.01 [Ref Std: WATER=1]
Water solubility	Complete
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity/Kinematic Viscosity	25,000 - 40,000 mPa-s
Volatile Organic Compounds	No Data Available
Percent volatile	>=95 %
VOC Less H2O & Exempt Solvents	No Data Available

Nanoparticles

This material does not contain nanoparticles.

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

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

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:

No known health effects.

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
Propylene Glycol	Dermal	Rabbit	LD50 20,800 mg/kg
Propylene Glycol	Ingestion	Rat	LD50 22,000 mg/kg
2-Propenoic acid, homopolymer	Dermal	Rabbit	LD50 > 3,000 mg/kg
2-Propenoic acid, homopolymer	Ingestion	Rat	LD50 > 2,500 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
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Propylene Glycol	Rabbit	No significant irritation
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Serious Eye Damage/Irritation

Name	Species	Value
Propylene Glycol	Rabbit	No significant irritation

Sensitization:**Skin Sensitization**

Name	Species	Value
Propylene Glycol	Human	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
Propylene Glycol	In Vitro	Not mutagenic
Propylene Glycol	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Propylene Glycol	Dermal	Mouse	Not carcinogenic
Propylene Glycol	Ingestion	Multiple animal species	Not carcinogenic

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure Duration
Propylene Glycol	Ingestion	Not classified for female reproduction	Mouse	NOAEL 10,100 mg/kg/day	2 generation
Propylene Glycol	Ingestion	Not classified for male reproduction	Mouse	NOAEL 10,100 mg/kg/day	2 generation
Propylene Glycol	Ingestion	Not classified for development	Multiple animal species	NOAEL 1,230 mg/kg/day	during organogenesis

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Propylene Glycol	Ingestion	central nervous system depression	Not classified	Human and animal	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Propylene Glycol	Ingestion	hematopoietic system	Not classified	Multiple animal species	NOAEL 1,370 mg/kg/day	117 days
Propylene Glycol	Ingestion	kidney and/or	Not classified	Dog	NOAEL	104 weeks

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		bladder			5,000 mg/kg/day	
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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

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labeling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity**Acute aquatic hazard:**

Not acutely toxic to aquatic life by GHS criteria.

Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available

Material	Cas #	Organism	Type	Exposure	Test Endpoint	Test Result
TALL-OIL FATTY ACIDS	61790-12-3	Fathead Minnow	Experimental	96 hours	Lethal Concentration 50%	>100 mg/l
TALL-OIL FATTY ACIDS	61790-12-3	Water flea	Experimental	48 hours	Effect Concentration 50%	>100 mg/l
Propylene Glycol	57-55-6	Crustacea other	Experimental	96 hours	Lethal Concentration 50%	18,800 mg/l
Propylene Glycol	57-55-6	Green Algae	Experimental	96 hours	Effect Concentration 50%	19,000 mg/l
Propylene Glycol	57-55-6	Rainbow Trout	Experimental	96 hours	Lethal Concentration 50%	40,613 mg/l
Propylene Glycol	57-55-6	Water flea	Experimental	48 hours	Effect Concentration 50%	18,340 mg/l
Propylene Glycol	57-55-6	Green algae	Experimental	96 hours	No obs Effect Conc	15,000 mg/l
Propylene Glycol	57-55-6	Water flea	Experimental	7 days	No obs Effect Conc	13,020 mg/l
2-Propenoic acid, homopolymer	9003-01-4	Green Algae	Estimated	72 hours	Effect Concentration 50%	0.75 mg/l
2-Propenoic acid,	9003-01-4	Rainbow Trout	Estimated	96 hours	Lethal Concentration	27 mg/l

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homopolymer					50%	
2-Propenoic acid, homopolymer	9003-01-4	Water flea	Estimated	48 hours	Effect Concentration 50%	47 mg/l
2-Propenoic acid, homopolymer	9003-01-4	Green algae	Estimated	72 hours	No obs Effect Conc	0.03 mg/l

12.2. Persistence and degradability

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
TALL-OIL FATTY ACIDS	61790-12-3	Experimental Biodegradation	28 days	Biological Oxygen Demand	84 % weight	Other methods
Propylene Glycol	57-55-6	Experimental Biodegradation	28 days	Biological Oxygen Demand	90 % BOD/ThBOD	OECD 301C - MITI (I)
2-Propenoic acid, homopolymer	9003-01-4	Experimental Biodegradation	28 days	Biological Oxygen Demand	87.4 % BOD/ThBOD	OECD 301F - Manometric Respiro

12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
TALL-OIL FATTY ACIDS	61790-12-3	Experimental Bioconcentration		Log of Octanol/H ₂ O part. coeff	7.4	Other methods
Propylene Glycol	57-55-6	Experimental Bioconcentration		Log of Octanol/H ₂ O part. coeff	-0.92	Other methods
2-Propenoic acid, homopolymer	9003-01-4	Experimental Bioconcentration		Log of Octanol/H ₂ O part. coeff	0.23	Other methods

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available

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. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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.

SECTION 14: Transport Information

Not hazardous for transportation.

Ground Transport (ADR):

UN No.:None Assigned.

Proper Shipping Name:None Assigned.

Technical Name:None assigned.

Hazard Class/Division:None Assigned.

Subsidiary Risk:None Assigned.

Packing Group:None Assigned.

Limited Quantity:None Assigned.

Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None Assigned.

Marine Transport (IMDG)

UN Number:None assigned.

Proper Shipping Name:None assigned.

Technical Name:None assigned.

Hazard Class/Division:None assigned.

Subsidiary Risk:None assigned.

Packing Group:None assigned.

Limited Quantity:None assigned.

Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None assigned.

Air Transport (IATA)

UN Number:None assigned.

Proper Shipping Name:None assigned.

Technical Name:None assigned.

Hazard Class/Division:None assigned.

Subsidiary Risk:None assigned.

Packing Group:None assigned.

Limited Quantity:None assigned.

Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None assigned.

Transportation classifications are provided as a customer service. As for shipping, YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling or marking requirements. The above information is only for reference. If you are shipping by air or ocean, YOU are advised to check & meet applicable regulatory requirements.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Global inventory status**

Contact 3M for more information.

SECTION 16: Other information

Revision information:

No revision information

List of data sources used for preparation of the Material Safety Data Sheet:

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3M Russia Federation SDSs are available at www.3m.com