



SAFETY DATA SHEET

1. Identification

Product identifier: LUBITOL (A)

Other means of identification

Product code: 300-6220012

Recommended restrictions

Product use: Lubricant

Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name: MEGA LAB MANUFACTURING CO. LTD.

Address: 25 PLANCHET ROAD
CONCORD, ONTARIO L4K 2C5

Telephone: 905-532-9000

Emergency telephone number: CANUTEC 1-613-996-6666 (24HRS)

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Gases under pressure

Compressed gas

Health Hazards

Toxic to reproduction

Category 2

Aspiration Hazard

Category 1

Environmental Hazards

Acute hazards to the aquatic environment

Category 3

Label Elements

Hazard Symbol:



Signal Word: Danger

Hazard Statement: Contains gas under pressure; may explode if heated.
Suspected of damaging fertility or the unborn child.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention.

Storage: Store locked up. Protect from sunlight. Store in a well-ventilated place.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Distillates (petroleum), hydrotreated light paraffinic		64742-55-8	60 - 80%
White mineral oil (petroleum)		8042-47-5	10 - 30%
Carbon dioxide		124-38-9	1 - 5%
Propanol, 1(or 2)-(2-methoxymethylethoxy)-		34590-94-8	1 - 5%
Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)		1474044-79-5	0.5 - 1.5%
Octamethyleyclotetrasiloxane		556-67-2	0.5 - 1.5%
Distillates, Petroleum, Hydrotreated Light Naphthenic		64742-53-6	0.1 - 1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Inhalation: Move to fresh air.

Skin Contact: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Stop flow of gas. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Pressurized container may explode when exposed to heat or flame.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Methods and material for containment and cleaning up: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities: Store locked up. Protect from sunlight. Store in a cool place. Aerosol Level 3

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Distillates (petroleum), hydrotreated light paraffinic - Mist.	TWA	5 mg/m ³	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
	STEL	10 mg/m ³	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
Distillates (petroleum), hydrotreated light paraffinic - Mist.	TWA	0.2 mg/m ³	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Distillates (petroleum), hydrotreated light paraffinic	8 HR ACL	5 mg/m ³	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
	15 MIN ACL	10 mg/m ³	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)

Distillates (petroleum), hydrotreated light paraffinic - Inhalable fraction.	TWA	5 mg/m3	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2014)
	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Distillates (petroleum), hydrotreated light paraffinic - Mist.	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
Distillates (petroleum), hydrotreated light paraffinic - Inhalable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
Distillates (petroleum), hydrotreated light paraffinic - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2014)
White mineral oil (petroleum) - Mist.	STEL	10 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
	TWA	5 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
White mineral oil (petroleum) - Mist.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
White mineral oil (petroleum)	8 HR ACL	5 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
	15 MIN ACL	10 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
White mineral oil (petroleum) - Inhalable fraction.	TWA	5 mg/m3	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2011)
White mineral oil (petroleum) - Inhalable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
White mineral oil (petroleum) - Mist.	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
White mineral oil (petroleum) - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended (01 2010)
Carbon dioxide	STEL	30,000 ppm 54,000 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (10 2006)
	TWA	5,000 ppm 9,000 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (10 2006)
Carbon dioxide	TWA	5,000 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	STEL	15,000 ppm	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Carbon dioxide	TWA	5,000 ppm	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2011)
	STEL	30,000 ppm	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2011)
Carbon dioxide	STEL	30,000 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
	TWA	5,000 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Carbon dioxide	8 HR ACL	5,000 ppm	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)

	15 MIN ACL	30,000 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Carbon dioxide	TWA	5,000 ppm	9,000 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
	STEL	30,000 ppm	54,000 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
Carbon dioxide	TWA	5,000 ppm		US. ACGIH Threshold Limit Values, as amended (2008)
	STEL	30,000 ppm		US. ACGIH Threshold Limit Values, as amended (2008)
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	TWA	100 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	TWA	100 ppm	606 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
	STEL	150 ppm	909 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	15 MIN ACL	150 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	TWA	100 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2011)
	STEL	150 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2011)
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	TWA	100 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
	STEL	150 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
	STEL	150 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	8 HR ACL	100 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	STEL	150 ppm	909 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
	TWA	100 ppm	606 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	STEL	150 ppm		US. ACGIH Threshold Limit Values, as amended (2009)
	TWA	100 ppm		US. ACGIH Threshold Limit Values, as amended (2009)
2-Propanone	STEL	750 ppm	1,800 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
2-Propanone	STEL	500 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
2-Propanone	TWA	250 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017)
	STEL	500 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017)
	TWA	250 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
2-Propanone	TWA	250 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2015)
2-Propanone	8 HR ACL	500 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
	STEL	500 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2015)

2-Propanone	STEL	1,000 ppm	2,380 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
	TWA	500 ppm	1,200 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
	TWA	500 ppm	1,190 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
	15 MIN ACL	750 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
2-Propanone	TWA	250 ppm		US. ACGIH Threshold Limit Values, as amended (03 2015)
	STEL	500 ppm		US. ACGIH Threshold Limit Values, as amended (03 2015)
Distillates (petroleum), hydrotreated heavy naphthenic - Mist.	TWA		5 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
	STEL		10 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
Distillates (petroleum), hydrotreated heavy naphthenic	8 HR ACL		5 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
	15 MIN ACL		10 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Distillates (petroleum), hydrotreated heavy naphthenic - Mist.	TWA		0.2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Distillates (petroleum), hydrotreated heavy naphthenic - Inhalable fraction.	TWA		5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Distillates (petroleum), hydrotreated heavy naphthenic - Mist.	STEL		10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
Distillates (petroleum), hydrotreated heavy naphthenic - Inhalable fraction.	TWA		5 mg/m3	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2014)
	TWA		1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
	TWA		5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
	TWA		5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Distillates (petroleum), hydrotreated heavy naphthenic - Inhalable fraction.	TWA		5 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2014)
Distillates, Petroleum, Hydrotreated Light Naphthenic - Mist.	TWA		5 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
	STEL		10 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
Distillates, Petroleum, Hydrotreated Light Naphthenic	8 HR ACL		5 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Distillates, Petroleum, Hydrotreated Light Naphthenic - Mist.	TWA		0.2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	15 MIN ACL		10 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Distillates, Petroleum, Hydrotreated Light Naphthenic - Inhalable fraction.	TWA		5 mg/m3	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2014)
	TWA		1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)

Distillates, Petroleum, Hydrotreated Light Naphthenic - Mist.	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
Distillates, Petroleum, Hydrotreated Light Naphthenic - Inhalable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
Distillates, Petroleum, Hydrotreated Light Naphthenic - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2014)
Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO - Inhalable fraction.	TWA	5 mg/m3	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended (03 2014)
Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO - Mist.	TWA	1 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO - Mist.	STEL	10 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
	TWA	5 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended (07 2009)
Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO	15 MIN ACL	10 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO - Inhalable fraction.	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
	TWA	5 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015)
Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO - Mist.	STEL	10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
	TWA	5 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment), as amended (09 2017)
	8 HR ACL	5 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended (05 2009)
Distillates (petroleum), hydrotreated heavy paraffinic <3% DMSO - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2014)

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment

General information:

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection:

Wear goggles/face shield.

Skin Protection

Hand Protection:

No data available.

Other:

No data available.

Respiratory Protection:

In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures:

Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Observe good industrial hygiene practices.

9. Physical and chemical properties**Appearance****Physical state:**

liquid

Form:

Spray Aerosol

Color:

No data available.

Odor:

No data available.

Odor threshold:

No data available.

pH:

No data available.

Melting point/freezing point:

No data available.

Initial boiling point and boiling range:

No data available.

Flash Point:

No data available.

Evaporation rate:

No data available.

Flammability (solid, gas):

Non-flammable Aerosol

Upper/lower limit on flammability or explosive limits**Flammability limit - upper (%):**

No data available.

Flammability limit - lower (%):

No data available.

Explosive limit - upper (%):

No data available.

Explosive limit - lower (%):

No data available.

Vapor pressure:

No data available.

Vapor density:

No data available.

Density:

No data available.

Relative density:

No data available.

Solubility(ies)**Solubility in water:**

No data available.

Solubility (other):

No data available.

Partition coefficient (n-octanol/water):

No data available.

Auto-ignition temperature:

No data available.

Decomposition temperature:

No data available.

Viscosity:

No data available.

10. Stability and reactivity**Reactivity:**

No data available.

Chemical Stability:

Material is stable under normal conditions.

Possibility of hazardous reactions:

No data available.

Conditions to avoid:

Avoid heat or contamination.

Incompatible Materials:

No data available.

Hazardous Decomposition Products:

No data available.

11. Toxicological information**Information on likely routes of exposure****Inhalation:**

No data available.

Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral	
Product:	ATEmix: 442,151.81 mg/kg
Dermal	
Product:	ATEmix: 12,773.76 mg/kg
Inhalation	
Product:	Not classified for acute toxicity based on available data.
Specified substance(s):	
White mineral oil (petroleum)	LC 50: > 100 mg/l LC 50: > 100 mg/l LC 50 (Rat): > 5 mg/l
Carbon dioxide	LC 50: > 100 mg/l LC 50: > 100 mg/l
Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	LC 50: > 100 mg/l LC 50: > 100 mg/l
Octamethyleyclotetrasiloxane	LC 50 (Rat): 36 mg/l
Distillates, Petroleum, Hydrotreated Light Naphthenic	LC 50 (Rat): > 5.53 mg/l

Repeated dose toxicity

Product:	No data available.
Specified substance(s):	
Distillates (petroleum), hydrotreated light paraffinic	NOAEL (Rabbit(Female, Male), Dermal): 1,000 mg/kg Dermal Experimental result, Key study
White mineral oil (petroleum)	NOAEL (Rat(Female, Male), Oral, 90 d): >= 20,000 ppm(m) Oral Experimental result, Key study
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	NOAEL (Rat(Female, Male), Oral, 4 Weeks): 200 mg/kg Oral Experimental result, Key study
	NOAEL (Rabbit(Female, Male), Dermal, 90 d): 2,850 mg/kg Dermal Experimental result, Key study

Octamethyleyclotetrasiloxane	NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 480 ppm(m) Inhalation Experimental result, Supporting study
Distillates, Petroleum, Hydrotreated Light Naphthenic	NOAEL (Rat(Female, Male), Inhalation): 220 mg/m3 Inhalation Experimental result, Key study
	NOAEL (Rabbit(Female, Male), Dermal): 1,000 mg/kg Dermal Experimental result, Key study

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light paraffinic	in vivo (Rabbit): Not irritant Experimental result, Key study
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White mineral oil (petroleum)	in vivo (Rabbit): Not irritant Experimental result, Key study
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Propanol, 1(or 2)-(2-methoxymethylethoxy)-	in vivo Not irritant Experimental result, Key study
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Octamethyleyclotetrasiloxane	in vivo (Rabbit): Not irritant Experimental result, Key study
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Distillates, Petroleum, Hydrotreated Light Naphthenic	in vivo (Rabbit): Not irritant Experimental result, Key study
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Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light paraffinic	Rabbit, 48 hrs: Not irritating
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White mineral oil (petroleum)	Rabbit, 24 - 72 hrs: Not irritating
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Propanol, 1(or 2)-(2-methoxymethylethoxy)-	Rabbit, 24 - 72 hrs: Not irritating
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Distillates, Petroleum, Hydrotreated Light Naphthenic	Rabbit, 48 hrs: Not irritating
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Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light paraffinic	Skin sensitization:, in vivo (Guinea pig): Non sensitising
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White mineral oil (petroleum)	Skin sensitization:, in vivo (Guinea pig): Non sensitising
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Propanol, 1(or 2)-(2-methoxymethylethoxy)-	Skin sensitization:, in vivo (Human): Non sensitising
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Distillates, Petroleum, Hydrotreated Light Naphthenic	Skin sensitization:, in vivo (Guinea pig): Non sensitising
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Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

ACGIH Carcinogen List:

No carcinogenic components identified

Germ Cell Mutagenicity**In vitro**

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s):

Octamethyleyclotetrasiloxane Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s):

White mineral oil (petroleum) May be fatal if swallowed and enters airways.

Distillates, Petroleum, Hydrotreated Light Naphthenic May be fatal if swallowed and enters airways.

Other effects: No data available.

12. Ecological information**Ecotoxicity:****Acute hazards to the aquatic environment:****Fish**

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light paraffinic LL 50 (Pimephales promelas, 96 h): > 100 mg/l Experimental result, Key study

White mineral oil (petroleum) NOAEL (Oncorhynchus mykiss, 96 h): >= 100 mg/l Experimental result, Key study

Propanol, 1(or 2)-(2-methoxymethylethoxy)- LC 50 (96 h): > 1,000 mg/l Experimental result, Key study

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)

LC 50 (96 h): 0.266 mg/l

Distillates, Petroleum, Hydrotreated Light Naphthenic

LL 50 (Pimephales promelas, 96 h): > 100 mg/l Experimental result, Key study

Aquatic Invertebrates

Product:

No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light paraffinic

EC 50 (Daphnia magna, 48 h): > 10,000 mg/l Experimental result, Key study

White mineral oil (petroleum)

NOAEL (Daphnia magna, 48 h): >= 100 mg/l Experimental result, Key study

Propanol, 1(or 2)-(2-methoxymethylethoxy)-

LC 50 (Daphnia magna, 48 h): 1,919 mg/l Experimental result, Key study

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)

EC 50 (48 h): 0.180 mg/l

Distillates, Petroleum, Hydrotreated Light Naphthenic

EC 50 (Daphnia magna, 48 h): > 10,000 mg/l Experimental result, Key study
NOAEL (Daphnia magna, 48 h): >= 10,000 mg/l Experimental result, Key study

Chronic hazards to the aquatic environment:

Fish

Product:

No data available.

Specified substance(s):

White mineral oil (petroleum)

NOAEL (Oncorhynchus mykiss): >= 1,000 mg/l QSAR QSAR, Supporting study

Distillates, Petroleum, Hydrotreated Light Naphthenic

NOAEL (Oncorhynchus mykiss): >= 1,000 mg/l QSAR QSAR, Supporting study

Aquatic Invertebrates

Product:

No data available.

Specified substance(s):

White mineral oil (petroleum)

NOAEL (Daphnia magna): >= 1,000 mg/l QSAR QSAR, Supporting study

Propanol, 1(or 2)-(2-methoxymethylethoxy)-

NOAEL (Daphnia magna): 0.5 mg/l Experimental result, Key study

Distillates, Petroleum, Hydrotreated Light Naphthenic

NOAEL (Daphnia magna): 10 mg/l Experimental result, Key study

Toxicity to Aquatic Plants

Product:

No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light paraffinic 31 % (28 d) Detected in water. Experimental result, Supporting study

White mineral oil (petroleum) 31 % (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Supporting study

Propanol, 1(or 2)-(2-methoxymethylethoxy)- 96 % Detected in water. Experimental result, Key study

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate) The product is not biodegradable.

Octamethyleyclotetrasiloxane 3.7 % (29 d) Detected in water. Experimental result, Key study

Distillates, Petroleum, Hydrotreated Light Naphthenic 31 % (28 d) Detected in water. Experimental result, Supporting study
2 - 8 % (28 d) Detected in water. Experimental result, Supporting study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate) Bioconcentration Factor (BCF): 3.16

Octamethyleyclotetrasiloxane Pimephales promelas, Bioconcentration Factor (BCF): 12,400 Aquatic sediment Experimental result, Key study

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate) Log Kow: 6.6 20 °C

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Distillates (petroleum), hydrotreated light paraffinic	No data available.
White mineral oil (petroleum)	No data available.
Carbon dioxide	No data available.
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	No data available.
Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	No data available.
Octamethyleyclotetrasiloxane	No data available.
Distillates, Petroleum, Hydrotreated Light Naphthenic	No data available.

Other adverse effects: Harmful to aquatic organisms.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: No data available.

14. Transport information

TDG

UN Number: UN 1950
UN Proper Shipping Name: Aerosols, non-flammable
Transport Hazard Class(es)
Class: 2.2
Label(s): –
EmS No.: –
Packing Group: –
Environmental Hazards: No
Marine Pollutant: No
Special precautions for user: None known.

IMDG

UN Number: UN 1950
UN Proper Shipping Name: Aerosols, non-flammable
Transport Hazard Class(es)
Class: 2.2
Label(s): –
EmS No.: –
Packing Group: –
Environmental Hazards: No
Marine Pollutant: No
Special precautions for user: None known.

IATA

UN Number: UN 1950
Proper Shipping Name: Aerosols, non-flammable
Transport Hazard Class(es)
Class: 2.2
Label(s): –
Packing Group: –
Environmental Hazards: No
Marine Pollutant: No
Special precautions for user: None known.
Cargo aircraft only: Allowed.

15. Regulatory information

Canada Federal Regulations List of Toxic Substances (CEPA, Schedule 1)

Chemical Identity

Carbon dioxide
Octamethyleyclotetrasiloxane
2-Propanone

Export Control List (CEPA 1999, Schedule 3)

Chemical Identity

2-Propanone

National Pollutant Release Inventory (NPRI)

Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements

NPRI PT5	White mineral oil (petroleum)
	2-Propanone

Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)

NPRI	2-Propanone
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Greenhouse Gases

Chemical Identity

Carbon dioxide

2-Propanone

Controlled Drugs and Substances Act

CA CDSI	2-Propanone
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CA CDSII	2-Propanone
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CA CDSIII	2-Propanone
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CA CDSIV	2-Propanone
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CA CDSV	2-Propanone
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CA CDSVII	2-Propanone
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CA CDSVIII	2-Propanone
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Precursor Control Regulations

Chemical Identity

2-Propanone

International regulations

Montreal protocol

2-Propanone

Stockholm convention

2-Propanone

Rotterdam convention

2-Propanone

Organics

Kyoto protocol

Inventory Status:

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Ontario Inventory:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Mexico INSQ:	Not in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	Not in compliance with the inventory.

16. Other information, including date of preparation or last revision

Issue Date: 03/16/2022

Revision Date: No data available.

Version #: 1.1

Further Information: No data available.

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.