

SECTION 1 Identification**1.1. GHS Product identifier**

Product form	: Mixture
Product name	: Chain Lube Aerosol
Type of product	: Lubricating oil
Part Number	: 20393
Vaporizer	: Aerosol

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Lubricating oil

1.4. Supplier's details

Lucas Oil Products, Inc.
3199 Harrison Way NW
Corydon, IN 47112
USA
T 800-342-2512
sds@lucasoil.com - www.LucasOil.com

1.5. Emergency phone number

Emergency number : For Chemical Emergency Call ChemTel 24hr/day 7days/week. Within USA, Canada, Puerto Rico & US Virgin Islands: 1-800-255-3924. International: 1-813-248-0585 (collect calls accepted). Australia: 1-300-954-583. Brazil: 0-800-591-6042. China: 400-120-0751. India: 000-800-100-4086. Mexico: 800-099-0731.

SECTION 2 Hazard identification**2.1. Classification of the substance or mixture****Classification (GHS CA)**

Aerosol, Category 2	H223;H229	Flammable aerosol. Pressurized container; may burst if heated.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Reproductive toxicity, Category 1	H360	May damage fertility or the unborn child.
Hazardous to the aquatic environment, Chronic Hazard, Category 4	H413	May cause long lasting harmful effects to aquatic life.
Full text of H-statements: see section 16		

2.2. GHS label elements, including precautionary statements**GHS CA labelling**

Hazard pictograms (GHS CA)



Signal word (GHS CA)

: Danger

Hazard statements (GHS CA)

: H223 - Flammable aerosol
H229 - Pressurized container; may burst if heated
H317 - May cause an allergic skin reaction

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Precautionary statements (GHS CA)

H360 - May damage fertility or the unborn child
H413 - May cause long lasting harmful effects to aquatic life
: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P308+P313 - IF exposed or concerned: Get medical advice or attention.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Distillates (petroleum), hydrotreated heavy paraffinic	Distillates (petroleum), hydrotreated heavy paraffinic distillates (petroleum), hydrotreated heavy paraffinic	CAS-No.: 64742-54-7	30 - 60*	Asp. Tox. 1, H304 Aquatic Chronic 4, H413
Distillates (petroleum), hydrotreated light	Distillates (petroleum), hydrotreated light distillates (petroleum), hydrotreated light / kerosine - unspecified	CAS-No.: 64742-47-8	15 - 40*	Asp. Tox. 1, H304

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Propane	Propane A 108 / dimethyl methane / ethylmethyl / hydrocarbon propellant A-108 / liquefied petroleum gas (=propane) / LPG (=propane) / LP-gas (=propane) / normal-propane / n-propane / petroleumgas (=propane) / propane / propane in gaseous state / propane, liquefied / propane, pur / propyl dihydride / propyl hydride / pyrogas	CAS-No.: 74-98-6	10 - 30*	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Butane	Butane butane / butane (containing ≥0.1% butadiene)	CAS-No.: 106-97-8	7 - 13*	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
1-Decene, homopolymer, hydrogenated	1-Decene, homopolymer, hydrogenated 1-decene, homopolymer, hydrogenated / 1-decene, homopolymer, hydrogenated(=D URASYN 168)	CAS-No.: 68037-01-4	1 - 5*	Asp. Tox. 1, H304
1-Dodecene, polymer with 1-decene, hydrogenated	1-Dodecene polymer with 1-decene, hydrogenated	CAS-No.: 151006-60-9	1 - 5*	Asp. Tox. 1, H304
Sulfonic acids, petroleum, calcium salts, overbased	Sulfonic acids, petroleum, calcium salts, overbased	CAS-No.: 68783-96-0	1 - 5*	Skin Sens. 1, H317

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Molybdenum, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-kappaS,kappaS']dioxodi-mu-thioxodi-, (Mo-Mo)	Molybdenum, bis[O,O-bis(2-ethylhexyl)phosphorodithioato-S]dioxodi-mu-thioxodi-Molybdenum Diakylidithiophosphate(MoDDP); Oxymolybdenum di-2-ethylhexyl phosphorodithioate,sulfurized; Oxymolybdenum di-2-ethylhexyl phosphorodithioate, sulfurized;Molybdenum,biso,o-bis(2-ethylhexyl) phosphorodithioato-ks,ks;Phosphorodithioic acid, O,O-bis(2-ethylhexyl) ester, molybdenum complex;bis[o,o-bis(2-ethylhexyl)phosphorodithioato-s,s']dioxodi-mu-thioxodi-molybdenum;Molybdenum, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']dioxodi-mu-thioxodi-, (Mo-Mo);Molybdenum, bisO,O-bis(2-ethylhexyl) phosphorodithioato-kappa.S,,kappa.Sdioxodi-.mu.-thioxodi-, (Mo-Mo) / Oxymolybdenum di-2-ethylhexyl phosphorodithioate, sulfurized	CAS-No.: 72030-25-2	0.1 - 1*	Skin Irrit. 2, H315 Skin Sens. 1, H317

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Zinc 2-ethylhexanoate	2-Ethylhexanoic acid zinc salt hexanoic acid, 2-ethyl-, zinc salt / zinc 2-ethylhexanoate / zinc bis(2-ethylhexanoate) / zinc ethylhexoate / zinc octoate	CAS-No.: 136-53-8	0.022 - 0.11	Eye Irrit. 2, H319 Repr. 1, H360 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

*Chemical name, CAS number and/or exact concentration have been withheld as CBI

*Contains fixed concentration

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
Self protection of the first-aider	: First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
Chronic symptoms	: May damage fertility or the unborn child.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS THE LEAK CAN BE STOPPED. Dry chemical, CO ₂ , or water spray or regular foam. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: Flammable aerosol. Pressurised container: May burst if heated. Heating may cause a fire or explosion.
Explosion hazard	: Explosion risk in case of fire. Heating may cause an explosion.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

5.3. Special protective actions for fire-fighters

- | | |
|--------------------------------|--|
| Firefighting instructions | : Eliminate all ignition sources if safe to do so. Fight fire remotely due to the risk of explosion. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment. Complete protective clothing. |
| Precautionary measures fire | : Keep container tightly closed and away from heat, sparks and flame. |

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
|---|--|
| General measures | : Eliminate every possible source of ignition. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
| Personal Precautions, Protective Equipment and Emergency Procedures | : Self-contained breathing apparatus. |
| Environmental precautions | : Avoid release to the environment. Avoid discharge to atmosphere. Notify authorities if product enters sewers or public waters. |

6.2. Methods and materials for containment and cleaning up

- | | |
|-------------------------|---|
| For containment | : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |
| Other information | : Dispose of materials or solid residues at an authorized site. |
- For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- | | |
|-----------------------------------|---|
| Precautions for safe handling | : Obtain special instructions before use. Use only outdoors or in a well-ventilated area. Prevent the build-up of electrostatic charge. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Hygiene measures | : Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use. |

7.2. Conditions for safe storage, including any incompatibilities

- | | |
|---------------------|---|
| Technical measures | : Use only non-sparking tools. Ground/bond container and receiving equipment. |
| Storage conditions | : Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in fireproof place. Keep container closed when not in use. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up. |
| Packaging materials | : Always store product in container of same material as original container. |

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Propane (74-98-6)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Propane
OEL TWA	1000 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Propane
Notations and remarks	Simple asphyxiant. EX
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Propane
Notations and remarks	Simple asphyxiant. EX (the substance is a flammable asphyxiant or excursions above the exposure limit could approach 10% of the lower explosive limit)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Propane
Notations and remarks	TLV® Basis: Simple Asphyxiant
Regulatory reference	ACGIH 2024
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Propane
Notations and remarks	TLV® Basis: Simple Asphyxiant
Regulatory reference	ACGIH 2024
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Propane
Notations and remarks	TLV® Basis: Simple Asphyxiant
Regulatory reference	ACGIH 2024
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Propane
OEL TWA	1000 ppm
OEL STEL	1250 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Propane
OEL TWA	1000 ppm
OEL STEL	1250 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Propane

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Propane (74-98-6)	
Notations and remarks	See Appendix F: Minimal Oxygen Content
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Propane
Notations and remarks	TLV® Basis: Simple Asphyxiant
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Propane
OEL TWA	1000 ppm
OEL STEL	1250 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
Butane (106-97-8)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Butane
OEL TWA	1000 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Butane
VEMP (OEL TWA EV)	1900 mg/m³
	800 ppm
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Butane, all isomers: n-butane
OEL STEL	1000 ppm
Notations and remarks	EX (the substance is a flammable asphyxiant or excursions above the exposure limit could approach 10% of the lower explosive limit)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Butane
OEL STEL	1000 ppm (EX - Explosion hazard)
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2024
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Butane
OEL STEL	1000 ppm (EX - Explosion hazard)
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2024

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Butane (106-97-8)	
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Butane
OEL STEL	1000 ppm (EX - Explosion hazard)
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2024
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Butane, All isomers
OEL TWA	1000 ppm
OEL STEL	1250 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Butane, All isomers
OEL TWA	1000 ppm
OEL STEL	1250 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Butane, All isomers
OEL TWAEV	1000 ppm
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Butane
OEL STEL	1000 ppm (EX - Explosion hazard)
Notations and remarks	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Butane. All isomers
OEL TWA	1000 ppm
OEL STEL	1250 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:

Wear recommended personal protective equipment.

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Mixture contains one or more component(s) which have the following colour(s): Colourless White Colourless to light yellow On exposure to air: brown White to grey Yellow
Odour	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Pure substance is odourless Commercial/unpurified substance: unpleasant odour Odourless Mild odour Ammonia odour Characteristic odour Almost odourless
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: > 275 kPa @ 37.8 °C
Relative vapour density at 20°C	: No data available
Relative density	: 0.8734
Density	: 7.288523 lb/gal
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 33.57 mm²/s @ 40 °C
Explosive limits	: No data available
Particle characteristics	: No data available

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

9.2. Data relevant with regard to physical hazard classes (supplemental)

Gas group : Press. Gas (Liq.)

SECTION 10 Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability : Flammable aerosol. Pressurised container: May burst if heated.
Possibility of hazardous reactions : May mass explode in fire. Heating may cause a fire or explosion.
Conditions to avoid : High temperature. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials : Combustible materials.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time: : No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LD50 dermal rabbit	> 5000 mg/kg Source: IUCLID
--------------------	-----------------------------

Distillates (petroleum), hydrotreated light (64742-47-8)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 oral	15000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -
LC50 Inhalation - Rat (Dust/Mist)	> 5.2 mg/l Source: IUCLID
ATE CA (oral)	15000 mg/kg bodyweight

Sulfonic acids, petroleum, calcium salts, overbased (68783-96-0)

LD50 oral rat	> 20000 mg/kg Source: International Uniform Chemical Information Database
LD50 dermal rabbit	> 20000 mg/kg Source: International Uniform Chemical Information Database

Propane (74-98-6)

LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))
-----------------------------	---

Butane (106-97-8)

LC50 Inhalation - Rat [ppm]	276798.8 ppm
ATE CA (Gases)	276798.8 ppmv/4h
ATE CA (vapours)	276798.8 mg/l/4h

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

1-Decene, homopolymer, hydrogenated (68037-01-4)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
1-Dodecene, polymer with 1-decene, hydrogenated (151006-60-9)	
LD50 oral rat	> 5000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 3000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapours)	0.9 mg/l Source: ECHA
Zinc 2-ethylhexanoate (136-53-8)	
LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value of similar product, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value of similar product, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 5.7 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value of similar product, Inhalation (aerosol), 7 day(s))
LC50 Inhalation - Rat (Dust/Mist)	> 5.7 mg/l Source: ECHA
Skin corrosion/irritation	: Not classified
Propane (74-98-6)	
pH	No data available in the literature
1-Dodecene, polymer with 1-decene, hydrogenated (151006-60-9)	
pH	3.9 Source: ECHA
Zinc 2-ethylhexanoate (136-53-8)	
pH	No data available in the literature
Serious eye damage/irritation	: Not classified
Propane (74-98-6)	
pH	No data available in the literature
1-Dodecene, polymer with 1-decene, hydrogenated (151006-60-9)	
pH	3.9 Source: ECHA
Zinc 2-ethylhexanoate (136-53-8)	
pH	No data available in the literature
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage fertility or the unborn child.
Distillates (petroleum), hydrotreated light (64742-47-8)	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
Distillates (petroleum), hydrotreated light (64742-47-8)	
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 495 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Zinc 2-ethylhexanoate (136-53-8)	
NOAEL (subchronic, oral, animal/male, 90 days)	180 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:
NOAEL (subchronic, oral, animal/female, 90 days)	205 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:
Aspiration hazard : Not classified.	
Chain Lube Aerosol	
Vaporizer	Aerosol
Viscosity, kinematic	33.57 mm ² /s @ 40 °C
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Viscosity, kinematic	18 mm ² /s
Hydrocarbon	Yes
Aliphatic, alicyclic or aromatic hydrocarbon	Yes
Propane (74-98-6)	
Viscosity, kinematic	No data available in the literature
Zinc 2-ethylhexanoate (136-53-8)	
Viscosity, kinematic	No data available in the literature
Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
Chronic symptoms	: May damage fertility or the unborn child.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general	: May cause long lasting harmful effects to aquatic life.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: May cause long lasting harmful effects to aquatic life.

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LC50 - Fish [1]	> 5000 mg/l
EC50 - Crustacea [1]	> 1000 mg/l Source: IUCLID
EC50 96h - Algae [1]	> 1000 mg/l Source: IUCLID

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Sulfonic acids, petroleum, calcium salts, overbased (68783-96-0)	
LC50 - Fish [1]	40 mg/l Source: International Uniform Chemical Information Database
EC50 - Crustacea [1]	> 1000 mg/l Source: International Uniform Chemical Information Database
EC50 96h - Algae [1]	> 1000 mg/l Source: International Uniform Chemical Information Database
Propane (74-98-6)	
LC50 - Fish [1]	50 mg/l (96 h, Pisces, Fresh water, QSAR, Estimated value)
EC50 96h - Algae [1]	12 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)
Butane (106-97-8)	
LC50 - Fish [1]	27.98 mg/l Source: QSAR
EC50 96h - Algae [1]	16.47 mg/l Source: QSAR
Zinc 2-ethylhexanoate (136-53-8)	
LC50 - Fish [1]	100 mg/l Source: ECHA
EC50 - Crustacea [1]	0.15 – 0.53 mg/l (48 h, Ceriodaphnia dubia, Literature study, Zinc ion)
12.2. Persistence and degradability	
Chain Lube Aerosol	
Persistence and degradability	Not rapidly degradable
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Persistence and degradability	Not rapidly degradable
Distillates (petroleum), hydrotreated light (64742-47-8)	
Persistence and degradability	Not rapidly degradable
Molybdenum, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-kappaS,kappaS']dioxodi-mu-thioxodi-, (Mo-Mo) (72030-25-2)	
Persistence and degradability	Not rapidly degradable
Sulfonic acids, petroleum, calcium salts, overbased (68783-96-0)	
Persistence and degradability	Not rapidly degradable
Propane (74-98-6)	
Persistence and degradability	Readily biodegradable in water.
Butane (106-97-8)	
Persistence and degradability	Not rapidly degradable
1-Decene, homopolymer, hydrogenated (68037-01-4)	
Persistence and degradability	Biodegradability in water: no data available.
1-Dodecene, polymer with 1-decene, hydrogenated (151006-60-9)	
Persistence and degradability	Not rapidly degradable
Zinc 2-ethylhexanoate (136-53-8)	
Persistence and degradability	Readily biodegradable in water.

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 Source: IUCLID
---	------------------------

Distillates (petroleum), hydrotreated light (64742-47-8)

Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID
---	------------------------

Propane (74-98-6)

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
---------------------------	--

Partition coefficient n-octanol/water (Log Pow)	1.1 – 2.8 (Experimental value, 20 °C)
---	---------------------------------------

Butane (106-97-8)

Partition coefficient n-octanol/water (Log Pow)	2.89 Source: ICSC
---	-------------------

1-Decene, homopolymer, hydrogenated (68037-01-4)

Bioaccumulative potential	No bioaccumulation data available.
---------------------------	------------------------------------

1-Dodecene, polymer with 1-decene, hydrogenated (151006-60-9)

Partition coefficient n-octanol/water (Log Pow)	5
---	---

Zinc 2-ethylhexanoate (136-53-8)

Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
---------------------------	--

BCF - Other aquatic organisms [1]	38 (28 day(s), Palaemon elegans, Semi-static system, Marine water, Read-across, Fresh weight)
-----------------------------------	---

Partition coefficient n-octanol/water (Log Pow)	> 5.7 (Read-across, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
---	---

12.4. Mobility in soil

Propane (74-98-6)

Surface tension	No data available in the literature
-----------------	-------------------------------------

Ecology - soil	Not applicable (gas).
----------------	-----------------------

Zinc 2-ethylhexanoate (136-53-8)

Surface tension	63.62 mN/m (20 °C, 90 %)
-----------------	--------------------------

Ecology - soil	Low potential for adsorption in soil.
----------------	---------------------------------------

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 (log Koc, Calculated value)
--	---------------------------------

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Additional information	: Do not re-use empty containers.
Ecological waste information	: The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.

SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN Number			
UN1950	UN1950	UN1950	UN1950
14.2. UN Proper Shipping Name			
AEROSOLS	Aerosols	AEROSOLS	Aerosols, flammable
Transport document description			
UN1950 AEROSOLS, 2.1	UN1950 Aerosols, 2.1	UN UN1950 AEROSOLS, 2.1	UN UN1950 Aerosols, flammable, 2.1
14.3. Transport hazard class(es)			
2.1	2.1	2.1	2.1
			
14.4. Packing group, if applicable			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			

14.6. Special precautions for user

TDG

UN-No. (TDG)	: UN1950
TDG Special Provisions	: 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment), 107 - (1) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray.
Explosive Limit and Limited Quantity Index	: 1 L
Excepted quantities (TDG)	: E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 75 L
Emergency Response Guide (ERG) Number	: 126

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

DOT

UN-No. (DOT)	: UN1950
DOT Special Provisions (49 CFR 172.102)	: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

IMDG

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

IATA

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

Distillates (petroleum), hydrotreated light (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List)

Molybdenum, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-kappaS,kappaS']dioxodi-mu-thioxodi-, (Mo-Mo) (72030-25-2)

Listed on the Canadian DSL (Domestic Substances List)

Sulfonic acids, petroleum, calcium salts, overbased (68783-96-0)

Listed on the Canadian DSL (Domestic Substances List)

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Propane (74-98-6)

Listed on the Canadian DSL (Domestic Substances List)

Butane (106-97-8)

Listed on the Canadian DSL (Domestic Substances List)

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on the Canadian DSL (Domestic Substances List)

1-Dodecene, polymer with 1-decene, hydrogenated (151006-60-9)

Listed on the Canadian DSL (Domestic Substances List)

Zinc 2-ethylhexanoate (136-53-8)

Listed on the Canadian DSL (Domestic Substances List)

Chain Lube Aerosol

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Distillates (petroleum), hydrotreated light (64742-47-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Molybdenum, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-kappaS,kappaS']dioxodi-mu-thioxodi-, (Mo-Mo) (72030-25-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Sulfonic acids, petroleum, calcium salts, overbased (68783-96-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Propane (74-98-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Butane (106-97-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

1-Decene, homopolymer, hydrogenated (68037-01-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

1-Dodecene, polymer with 1-decene, hydrogenated (151006-60-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Zinc 2-ethylhexanoate (136-53-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16 Other Information

Issue date : 04/28/2025
Revision date : 06/03/2026
Supersedes : 03/24/2026

Full text of hazard classes and H-statements:

H220	Extremely flammable gas
H223	Flammable aerosol
H229	Pressurized container; may burst if heated
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H360	May damage fertility or the unborn child
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

Safety Data Sheet (SDS), Canada

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.