# Chain Lube Aerosol

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 04/28/2025 Revision date: 03/24/2026 Supersedes: 08/18/2025 Version: 4.0

## 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 and US Virgin Islands: 1-800-255-3924
International: 1-813-248-0585
(collect calls accepted)

## 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. |

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
H360 - May damage fertility or the unborn child

Precautionary statements (GHS CA) : 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.
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 |
| 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 |

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS CA) |
|---|---|---|---|---|
| Propane | Propane<br>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<br>Press. Gas (Liq.), H280 |
| Butane | Butane<br>butane / butane (containing ≥0.1% butadiene) | CAS-No.: 106-97-8 | 7 - 13* | Flam. Gas 1A, H220<br>Press. Gas (Liq.), H280 |
| 1-Decene, homopolymer, hydrogenated | 1-Decene, homopolymer, hydrogenated<br>1-decene, homopolymer, hydrogenated / 1-decene, homopolymer, hydrogenated(=DURASYN 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* | Eye Irrit. 2, H319<br>Aquatic Chronic 4, H413 |

| 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-µ-thioxodi-Molybdenum Diakyldithiophosphate(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-molybdenu;Molybdenum, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']dioxodi-µ-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<br>Skin Sens. 1, H317 |

| 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<br>Repr. 1, H360<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

***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, CO2, 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.

### 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

| 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 |

| Propane (74-98-6) | |
|---|---|
| Notations and remarks | See Appendix F: Minimal Oxygen Content |
| Regulatory reference | Ontario Occuational 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 TWAEV) | 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 |

| 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 Occuational 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.

| **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):<br>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.<br>Mixture contains one or more component(s) which have the following odour:<br>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 |

### 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 |

| 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) |

| 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 mm²/s @ 40 °C |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| Viscosity, kinematic | 18 mm²/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 : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute) : Not classified.
Hazardous to the aquatic environment, long–term (chronic) : Not classified.

| 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 |

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

## 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.

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<br>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

### 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 73/78[9] and the IBC Code[10]

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)**

### Butane (106-97-8)

**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**

### 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-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 | : | 03/24/2026 |
| Supersedes | : | 08/18/2025 |

| 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 |
| H410 | Very toxic 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.