

SAFETY DATA SHEET

Lucas Chain Lube (aerosol)



Section 1. Identification

Product identifier : Lucas Chain Lube (aerosol)

Other means of identification : 10393

Product type & form : Mixture, spray aerosol

Recommended use // restriction on use

Chain, gear, wire lubricant. // Use only per label directions.

Supplier identifier : Lucas Oil Products, Inc
3199 Harrison Way NW
Corydon, Indiana 47112 USA
Toll Free: (800) 342-2512
Tel: (951) 270-0154
www.LucasOil.com

Emergency telephone number ChemTel 24 hrs/day, 365 days/year
1-800-255-3924 (USA, Canada, Puerto Rico, US Virgin Island)
1-813-248-0585 (International)

Section 2. Hazards identification

GHS classification Flammable Aerosol, category 1
Aspiration hazard, category 1
Skin Sensitization, category 1B

GHS label elements

Hazard pictograms



Signal word

Danger

Hazard statements

Extremely flammable aerosol
May be fatal if swallowed and enters airways.
May cause an allergic skin reaction.

Precautionary statements

Response

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wear protective gloves/eye protection. Avoid breathing mist/spray. Contaminated work clothing should not be allowed out of the workplace.

Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. Store in a well ventilated place.



Section 2. Hazards identification

Disposal Dispose of contents/container in accordance with all local, regional, national and international regulations.

Other hazards not GHS classified None known.

Section 3. Composition/information on ingredients

Product type: Mixture

Hazardous ingredients**

Chemical name	Chemical identifier	% (w/w)	GHS classification
Distillates (petroleum), hydrotreated light	64742-47-8	10 - 30	Flammable liquid cat.4; Aspiration hazard cat.1
Molybdenum,bis[O,O-bis(2-ethylhexyl) phosphorodithioato-kS,kS']dioxodi-m-thioxodi-,(Mo-Mo)	72030-25-2	0.1 – <1.0	Skin sensitization cat.1
Propane	74-98-6	7 - 13	Flammable gas cat. 1; Compressed gas
Butane	106-97-8	7 - 13	Flammable gas cat. 1; Compressed gas

** Chemical name, CAS number and/or exact concentration may have been withheld as a trade secret or due to batch variation.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** Immediately flush eyes with plenty of water, Remove contact lenses, if present and easy to do. If eye irritation occurs: Get medical advice/attention.
- Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Avoid breathing mist/spray.
- Skin contact** IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical attention.
- Ingestion** IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

- After eye contact** No known effects. Get medical advice/attention if symptoms occur..
- Inhalation** No known effects. Get medical advice/attention if symptoms occur.
- Skin contact** May cause an allergic skin reaction. Adverse symptoms may include irritation and redness on exposed skin. Effects may reoccur or intensify upon additional future exposure.
- Ingestion** Get medical attention immediately. Call a poison center or physician. Aspiration hazard if swallowed. Can enter lungs and cause damage.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5. Fire-fighting measures

Extinguishing media

- Suitable media:** Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable media:** None known.

Specific hazards/decomposition: No specific fire, explosion, or decomposition hazards known.



Section 5. Fire-fighting measures

Advice to firefighters

Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Contain contaminated water, prevent discharge to sewer/waterways.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures:

Shut off/extinguish all sources of ignition. Avoid all contact with material and do not breathe mist/spray. Evacuate unnecessary personnel. Ventilate area. Stop leak if safe to do so.

Environmental precautions

Avoid dispersal of spilled material, runoff of contaminated water and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (to sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak if safe to do so. Absorb and/or contain spill with inert material, then place in suitable container for disposal in accordance with applicable regulations.

Section 7. Handling and storage

Precautions for safe handling and storage

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. Store in a cool, well ventilated place.

Avoid all contact with material and do not breathe mist/spray. Eating, drinking and smoking should be prohibited in areas where this material is handled. Handle in accordance with good industrial hygiene and safety practices.

NFPA aerosol rating: Aerosol Level 3, Heat of Combustion (estimated): > 35 kJ/g

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Chemical name	CAS#	OEL name/value	Note(s)
Distillates (petroleum), hydrotreated light	64742-47-8	OSHA PEL – Oil mist, mineral / 5 mg/m ³	TWA
Molybdenum,bis[O,O-bis(2-ethylhexyl)phosphorodithioato-kS,kS']dioxodi-m-thioxodi-(Mo-Mo)	72030-25-2	OSHA PEL - Molybdenum(as Mo) Insoluble cmpds / 15 mg/m ³	TWA, Total dust
Propane	74-98-6	OSHA PEL – Propane, 1000 ppm, 1800 mg/m ³ NIOSH REL – Propane, 1000 ppm, 1800 mg/m ³	TWA TWA
Butane	106-97-8	NIOSH REL – n-Butane, 800 ppm, 1900 mg/m ³	TWA

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Engineering controls should be utilized to keep exposure below exposure limits (where applicable) and also to keep gas, mist/spray concentrations below any explosive limits. Avoid localized breathing of mist/spray during use.

Environmental controls

Prevent leakage or spillage. Prevent contaminated water run-off.

Personal protection

Safety glasses or chemical goggles recommended. Use of rubber, nitrile or neoprene gloves recommended.



Section 9. Physical and chemical properties

Appearance

Physical state	Liquid, Spray aerosol.
Color	Amber, clear.
Odor	Petroleum solvent
pH	Not applicable.
Melting point	Not applicable.
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.86
Solubility in water	Immiscible.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity - kinematic	14cSt @ 100°C
Heat of Combustion (HoC)	> 35 kJ/g (estimated)

Section 10. Stability and reactivity

Reactivity	: None known. Hazardous decomposition or polymerization not known to occur.
Chemical stability	: The product is stable.
Incompatible materials	: Under normal conditions of storage and use, hazardous reactions will not occur. Keep liquid spray away from strong oxidizers, strong acids and bases.
Conditions to avoid	: Direct sunlight. Use near sources of heat or ignition/flames.
Hazardous combustion products:	Carbon monoxide or dioxide, hydrocarbons.

Section 11. Toxicological information

This mixture has not been tested. Available test data on ingredient substances, if any, is shown below.

Acute toxicity Product not hazardous per GHS criteria.

Chemical name	CAS#	Test method and value	Note(s)
Distillates (petroleum), hydrotreated light	64742-47-8	Oral rat LD ₅₀ > 5000 mg/kg; Dermal rat LD ₅₀ >2000 mg/kg; Inhalation rat LC ₅₀ >4.3 mg/l (4hr)	none
Molybdenum, bis[O,O-bis(2-ethylhexyl)phosphorodithioato-kS,kS']dioxodi-m-thioxodi-(Mo-Mo)	72030-25-2	Oral rat LD ₅₀ 7350 mg/kg	none
Propane	74-98-6	Inhalation rat LC ₅₀ 364727 ppm (4hr)	none
Butane	106-97-8	Inhalation rat LC ₅₀ 658 mg/l (4hr)	none



Section 11. Toxicological information

Irritation/Corrosion

Skin	Product not hazardous per GHS criteria.
Eyes	Product not hazardous per GHS criteria.
Respiratory	Product not hazardous per GHS criteria.

Chemical name	CAS#	Test method and value	Note(s)
Distillates (petroleum), hydrotreated light	64742-47-8	Eye and skin irritation: no adverse effect observed (not irritating)	none

Sensitization

Skin	May cause allergic skin reaction, based on supplier data.
Respiratory	Product not hazardous per GHS criteria.

Mutagenicity Product not hazardous per GHS criteria.

Carcinogenicity Product not hazardous per GHS criteria.

Reproductive toxicity Product not hazardous per GHS criteria.

Teratogenicity Product not hazardous per GHS criteria.

Specific target organ toxicity (single exposure)

Product not hazardous per GHS criteria.

Specific target organ toxicity (repeated exposure)

Product not hazardous per GHS criteria.

Aspiration hazard

Kinematic viscosity data on this product indicates aspiration hazard warnings are appropriate.

Acute toxicity estimates (ATE) Acute toxicity estimates can not be determined, based on insufficient data on known ingredients. Not anticipated to be an acute toxicity hazard by GHS criteria.

Section 12. Ecological information

Toxicity There is no ecotoxicity data available for this product. Not anticipated to be an environmental hazard, based on information from ingredient suppliers' SDSs.

Persistence/degradability No data available for this product.

Bioaccumulative potential No data available for this product.

Mobility in soil No data available for this product.

Soil/water partition coefficient (K_{oc}) No data available for this product.

Other adverse effects No data available for this product.

Section 13. Disposal considerations

Disposal methods Do not dispose of product into sewer, septic, or water treatment systems. Waste product and container may be hazardous waste, dispose in a safe manner in accordance with local, regional, and national regulations.



Section 14. Transport information

General information

Where exceptions exist in the Dangerous Goods Regulations, such as the Limited Quantity (LTD QTY) exception, LUCAS OIL chooses to apply the exceptions via appropriate labeling on our products and notation of the exception on documents supplied with the product, as shipped from our manufacturing/distribution facilities.

Please review this product's packaging, this SDS, AND the applicable mode's regulations prior to presenting this product to a carrier/freight forwarder for shipment.

	DOT	TDG	IMDG
UN number	UN1950	UN1950	UN1950
UN proper shipping name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
Hazard class (subsidiary risk)	2.1	2.1	2.1
Packing group	not applicable	not applicable	not applicable
Environmental hazards	not applicable	not applicable	not applicable
Additional information	LTD QTY eligible.	LTD QTY eligible.	EMS number: F-D, S-U LTD QTY eligible.

Section 15. Regulatory information

US Federal regulations All substances known present in this product are listed on the active TSCA inventory or are exempt. This product is not known to contain any substances which require export notification under TSCA Section 12(b).

US State regulations This product is not known to contain any substances listed on California's Proposition 65.

International regulations For listing or notification status in other countries, please contact LUCAS.

Section 16. Other information

Date of preparation : 10/30/2023

Version: 2.2

Abbreviations and acronyms:

ATE: Acute Toxicity Estimate

CAS: Chemical Abstracts Service number

EC50: Environmental Concentration associated with a response by 50% of the test population

GHS: Globally Harmonized System (of Classification and Labeling of Chemicals)

IMDG: International Maritime Dangerous Goods regulation

LC₅₀/LD₅₀: Lethal Concentration/Dose for 50% of the test population

NFPA: National Fire Protection Association

OSHA: Occupational Safety & Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limits

TDG: Canada's Transportation of Dangerous Goods regulations

TSCA: Toxic Substances Control Act

TWA: Time Weighted Average

Notice to reader

To the best of our knowledge, the information contained herein is accurate. Neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.