

Material Safety Data Sheet

Heavy Duty Chain Lube – HDCL/19

Section 1 – Product and Company Identification

Product Name: Heavy Duty Chain Lube

Product Number: HDCL/19

Product Type: Aerosol Lubricant

Supplier: Justice Brothers, Inc.
2734 East Huntington Dr.
Duarte, CA 91010

EMERGENCY PHONE NUMBERS

CHEMTREC

(800) 424-9300 (24 hours)

(703) 527-3887 (outside U.S)

General Information Phone Number
(626) 359-9174 (8am-5pm, M-F)

Section 2 – Hazards Identification

Emergency Overview

dark amber liquid; petroleum odor

DANGER: FLAMMABLE. CONTAINS PETROLEUM DISTILLATE. HARMFUL OR FATAL IF SWALLOWED. CONTENTS UNDER PRESSURE.

Potential Health Effects

Inhalation May cause irritation of the nose and throat, and signs of nervous system depression (e.g. headache, drowsiness), if high concentrations are inhaled.

Eyes Direct contact with this liquid or exposure to vapors or mists may cause stinging, tearing, redness and swelling.

Skin Can cause skin irritation on prolonged or repeated contact.

Ingestion Ingestion may cause irritation of the mouth, throat and respiratory tract leading to nausea, headache, vomiting and drowsiness.

Section 3 – Composition / Information on Ingredients

List of hazardous ingredients greater than 1.0% concentration (0.1% for carcinogens):

Ingredient Name	CAS Number
highly refined mineral oil	mixture*
liquefied petroleum gas	68476-85-7
petroleum distillates	68476-34-6

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Ingredient Name	CAS Number
12-hydroxystearic acid	106-14-9

* mixture of: 64741-96-4, 64742-52-5, 64742-54-7, 64742-55-8

This product is classified as hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 4 – First Aid Measures

- Inhalation If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get medical attention.
- Eyes In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Contact a physician.
- Skin Wash exposed skin with soap and water. Remove contaminated clothing. Get medical attention, if irritation develops.
- Ingestion If swallowed, do not induce vomiting. Call a physician immediately.

Section 5 – Fire Fighting Measures

- Flash Point** 321 °F (for concentrate)
- UEL** not determined
- LEL** not determined
- Flame Extension Test** > 60 in., meets criteria for Flammable (for aerosol product)
- Extinguisher Media** dry chemical, carbon dioxide, Halon, foam, or water spray

Fire Fighting Procedures

Use appropriate extinguisher media and protective equipment. This material is flammable and the contents are under pressure. Move undamaged containers from fire area and stop any spill/release if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes

Unusual Fire and Explosion Hazards

When heated above the flash point, this material will release flammable vapors which when exposed to an ignition source can burn in the open or be explosive in confined spaces. If container is not properly cooled, it may explode in the heat of a fire. Mists or sprays may be flammable at temperatures below the normal flash point. Combustion may yield carbon monoxide and/or carbon dioxide.

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Section 6 – Accidental Release Measures

Flammable Material. Keep all sources of ignition and heat away from spill/release. Stay upwind and isolate hazard area. Wear protective equipment as conditions warrant. Prevent spilled material from entering sewers, storm drains and natural waterways. Spilled material may be absorbed into an appropriate absorbent. Notify fire authorities and appropriate agencies.

Section 7 – Handling and Storage

Handling Procedures

Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8).

Storage Procedures

This material is flammable and may be ignited by heat, flame, or other sources of ignition. Contents are under pressure. Do not store at temperatures above 120 °F. Avoid storing near incompatible materials (see Section 10). Vapor/air explosion hazard indoors/outdoors or in sewers.

Section 8 – Exposure Controls / Personal Protection

Exposure Limits

Ingredient Name	CAS Number	Exposure Limits
highly refined mineral oil *	mixture	OSHA PEL/TWA 5 mg/m ³ ACGIH TLV/TWA 5 mg/m ³ TLV/STEL 10 mg/m ³
liquefied petroleum gas	68476-85-7	OSHA PEL/TWA 1000 ppm ACGIH TLV/TWA 1000 ppm
petroleum distillates	68476-34-6	ACGIH TLV/TWA 100 ppm TLV/STEL 200 ppm
12-hydroxystearic acid	106-14-9	none established

* Exposure limit for oil mist.

Engineering Controls

If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required.

Gloves

Use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

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Eye Protection

Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

Respiratory Protection

If airborne concentrations exceed established exposure limits, use a supplied air respirator. Do not use a chemical cartridge respirator.

Other Recommendations

It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

Section 9 – Physical and Chemical Properties

Appearance/Odor:	dark amber liquid; petroleum odor
Specific Gravity:	0.93 (for concentrate)
Vapor Pressure:	not determined
Vapor Density:	not determined
Evaporation Rate:	< 1 (ether = 1)
Flash Point:	321 °F (for concentrate)
UEL:	not determined
LEL:	not determined
Boiling Point:	502 °F (for concentrate)
Solubility in Water:	negligible

Section 10 – Stability and Reactivity

Stability

This product is stable under normal conditions of storage and handling.

Hazardous Polymerization

Hazardous polymerization will not occur.

Incompatibility

Avoid strong oxidizers and strong reducing agents.

Hazardous Decomposition Products

Combustion may yield carbon monoxide and/or carbon dioxide.

Section 11 – Toxicological Information

Data is listed below for each ingredient where toxicological data is available. Please refer to Section 3 for a summary of potential hazards related to this product.

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highly refined mineral oil (mixture)

This material is not listed as a carcinogen by IARC, NTP, or OSHA. No other specific toxicological data are available for this component.

liquefied petroleum gas (CAS No. 68476-85-7)

This material is not listed as a carcinogen by IARC, NTP, or OSHA. No other specific toxicological data are available for this component.

petroleum distillates (CAS No. 68476-34-6)

This material is not listed as a carcinogen by IARC, NTP, or OSHA. No other specific toxicological data are available for this component.

12-hydroxystearic acid (CAS No. 106-14-9)

This material is not listed as a carcinogen by IARC, NTP, or OSHA. No other specific toxicological data are available for this component.

Section 12 – Ecological Information

No specific ecological data are available for the components of this product. Please refer to Section 6 for measure in case of an accidental release.

Section 13 – Disposal Considerations

Dispose of product in accordance with local, county, state and federal regulations.

Section 14 – Transport Information

It is the responsibility of the shipper to ensure that all applicable regulations are met. The following are guidelines for identifying this product for shipping. Regulations may vary by country.

THIS PRODUCT IS HAZARDOUS AS DEFINED BY U.S. DOT (49 CFR 172.101).

General Shipment

Containers not to exceed 1.0 L net capacity.

Proper Shipping Name: Aerosols
Hazard Class (Description): 2.1 (Flammable Gases)
Identification Number: UN1950
Aircraft Limits: Passenger – 75 kg, Cargo – 150 kg
Ocean Stowage Class: A

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Consumer Commodity (Ground - North America Only)

Containers not to exceed 1.0 L net capacity. Gross weight not to exceed 30 kg. Shipments outside North America that meet these requirements may follow limited quantity rules.

Proper Shipping Name: Consumer Commodity

Hazard Class (Description): ORM-D

Consumer Commodity (Air Shipments)

Containers not to exceed 0.5 L net capacity. Gross weight not to exceed 25 kg. Must meet packaging requirements.

Proper Shipping Name: Consumer Commodity

Hazard Class (Description): 9 (Miscellaneous)

Identification Number: 8000

Consumer Commodity (Ocean Shipments)

No provisions exist under the IMDG Code. Shipments may follow limited quantity rules if containers do not exceed 1.0 L net capacity and gross weight does not exceed 30 kg.

Section 15 – Regulatory Information

Chemical Inventory

All components of this material are listed on the following chemical inventories:
TSCA (United States), DSL (Canada), EINECS/ELINCS (European Union)

EC Classification

Danger Classification



Xn (Harmful)



F+ (Extremely
Flammable)

Risk Phrases

R12: Extremely flammable.
R40: Limited evidence of a carcinogenic effect.

Safety Phrases

S2: Keep out of the reach of children.
S9: Keep container in a well-ventilated place.
S16: Keep away from sources of ignition - No smoking.
S36/37: Wear suitable protective clothing and gloves.
S51: Use only in well-ventilated areas.

Hazardous Substances liquefied petroleum gas, petroleum distillates

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SARA Title III (40 CFR 370)

Extreme Hazards None of the components of this product are listed on the SARA Extremely Hazardous Substances list.

Section 313 This product does not contain greater than 0.1% of any component listed under SARA Section 313.

Classification Acute Hazard: Yes
Chronic Hazard: No
Fire Hazard: Yes
Reactivity Hazard: No

California Proposition 65

WARNING! This product may contain trace amounts of chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Section 16 – Other Information

NFPA Codes **Health: 2** **Fire: 2** **Reactivity: 0**

HMIS Codes **Health: 2** **Fire: 2** **Reactivity: 0**

Revision Information This document was last reviewed January 5, 2010.
Last revision date was January 19, 2009.

NOTE: The information contained in this Material Safety Data Sheet is furnished without warranty of any kind, expressed or implied. Information in this Data Sheet has been assembled by the manufacturer based on its own studies and on the work of others and is believed to be correct as of the date issued. However, no warranty of any kind is expressed or implied as to the accuracy, completeness, or adequacy of the information obtained herein. The Manufacturer shall not be liable, regardless of fault, to the vendee, the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, or adequacy of the information obtained herein. It is intended to assist in the normal safe usage of the product.
