LUBRI-LOY®
PREMIUM LUBRICANTS & GREASES

THE LUBRI-LOY COMPANY
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LUBRILOY.COM

SAFETY DATA SHEET

Prepared to OSHA Hazard Communication Standard, 29 CFR 1910.1200 (2024) · GHS format

LB-8090

LUBRI-BRAKE

NON-CHLORINATED BRAKE PARTS CLEANER · AEROSOL

CATALOG #: LB-8090 · **SDS DATE:** 11/06/2026 · **VERSION:** 1.0 · **SUPERSEDES:** New issue (no prior Lubri-Loy SDS); manufacturer data revised 04/27/2022

1 IDENTIFICATION

Product identifier	Lubri-Brake Non-Chlorinated Brake Parts Cleaner
Other means of identification	Catalog #: LB-8090 · Aerosol brake and parts cleaner; Manufacturer product code 8090
Recommended use	Non-chlorinated cleaner for brake drums, rotors, calipers, pads, shoes and other brake and clutch parts; removes brake fluid, grease, oil and dust without disassembly. For professional and industrial use.
Restrictions on use	Use only as directed on the label. Not for use on energized electrical equipment or near open flames, pilot lights or hot surfaces. Keep out of reach of children.
Supplier / responsible party	The Lubri-Loy Company, 701 Market St, Ste 110 PMB 1025, Saint Louis, MO 63101, USA
Company telephone	(877) 582-7456 · lubriloy.com
Deliveries telephone	(314) 887-5889
Emergency telephone (24 hr)	(877) 582-7456 (The Lubri-Loy Company, 24 hours)

2 HAZARD(S) IDENTIFICATION

CLASSIFICATION (OSHA HCS 2024)

HAZARD CLASS	CATEGORY
Aerosols	1
Serious eye damage / eye irritation	2A
Specific target organ toxicity – single exposure (narcotic effects)	3

LABEL ELEMENTS



Signal word

DANGER

Pictograms: Flame, Exclamation mark

HAZARD STATEMENTS

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

PRECAUTIONARY – PREVENTION

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/vapors/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection and chemical-resistant gloves.

PRECAUTIONARY – RESPONSE

P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.

PRECAUTIONARY – STORAGE

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

PRECAUTIONARY – DISPOSAL

P501	Dispose of contents/container in accordance with local, state and federal regulations.

Hazards not otherwise classified (HNOC)	None known.
Other hazards	• Vapors are heavier than air, collect in low areas and can travel a considerable distance to an ignition source and flash back. • Prolonged or repeated skin contact defats the skin and may cause dermatitis. • Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance / mixture Mixture

CHEMICAL NAME	CAS NUMBER	CONCENTRATION (% WT)
Acetone (2-propanone)	67-64-1	80 – 90
Carbon dioxide (propellant)	124-38-9	5 – 10
Heptane	142-82-5	5 – 10

Concentrations are percent by weight of the total can contents including propellant.

4 FIRST-AID MEASURES

Inhalation	Move the person to fresh air and keep comfortable for breathing. If breathing is difficult, trained personnel may give oxygen. If not breathing, give artificial respiration. Call a poison center or physician if symptoms occur or you feel unwell.
Skin contact	Wash thoroughly with soap and water. Remove contaminated clothing and shoes and wash before reuse. Get medical attention if irritation develops or persists.
Eye contact	Immediately rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do, and continue rinsing. Get medical attention if irritation persists.
Ingestion	Rinse mouth with water. Do NOT induce vomiting unless directed to by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
Most important symptoms and effects, acute and delayed	Eye contact causes irritation with redness, tearing and pain. Inhalation of vapor or spray may cause headache, nausea, dizziness and drowsiness; high concentrations may cause central nervous system depression and unconsciousness. Prolonged skin contact causes defatting, dryness, redness and dermatitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Immediate medical attention and special treatment	Treat symptomatically and supportively according to the clinical condition. Because of the narcotic effect of the solvents, keep the exposed person under observation.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, carbon dioxide, alcohol-resistant foam, or water spray/fog.
Unsuitable extinguishing media	Solid water jets or streams, which can spread the burning liquid.
Specific hazards arising from the chemical	Extremely flammable aerosol. Pressurized containers may rupture or rocket when heated above 120 °F (49 °C). Vapors are heavier than air, may travel to an ignition source and flash back. Hazardous combustion products: carbon monoxide, carbon dioxide and various hydrocarbons.
Protective equipment and precautions for firefighters	Wear NIOSH-approved positive-pressure self-contained breathing apparatus with full facepiece and full protective clothing. Use water spray to cool fire-exposed containers and to protect personnel. Move containers from the fire area if it can be done without risk.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Eliminate all ignition sources; no smoking, flares, sparks or flames in the area. Ventilate the area. Wear the protective equipment listed in Section 8. Avoid breathing vapor or spray and avoid contact with eyes and skin. Keep unnecessary personnel away and upwind.
Environmental precautions	Prevent spilled material from entering sewers, storm drains, surface water or soil.
Methods and materials for containment and cleanup	Use non-sparking tools. Absorb liquid with non-combustible material such as vermiculite, sand or earth and place in a suitable container for disposal. Leaking cans should be placed in a well-ventilated area away from ignition sources until empty. Clean the spill area with soap and water.

7 HANDLING AND STORAGE

Precautions for safe handling	Use only outdoors or in a well-ventilated area. 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. Do not pierce or burn the container, even after use. Avoid contact with eyes, skin and clothing and avoid breathing vapor or spray. Wash hands thoroughly after handling. Vapors may collect in low-lying areas. Keep out of reach of children.
Conditions for safe storage, including incompatibilities	Store in a cool, dry, well-ventilated area away from heat, direct sunlight and incompatible materials (strong alkalis, strong oxidizers, some plastics and rubber). Protect from sunlight and do not expose to temperatures exceeding 122 °F (50 °C). Store as a Level 3 aerosol in accordance with NFPA 30B and local fire codes. Keep containers upright and tightly sealed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT	OSHA PEL	ACGIH TLV	OTHER
Acetone (67-64-1)	1000 ppm TWA	250 ppm TWA; 500 ppm STEL	NIOSH REL 250 ppm TWA
Carbon dioxide (124-38-9)	5000 ppm TWA	5000 ppm TWA; 30,000 ppm STEL	NIOSH REL 5000 ppm TWA
Heptane (142-82-5)	500 ppm TWA	400 ppm TWA; 500 ppm STEL	NIOSH REL 85 ppm TWA; 440 ppm ceiling (15 min)

Engineering controls	Use only outdoors or in a well-ventilated area. Provide local exhaust or general dilution ventilation sufficient to keep airborne concentrations below the exposure limits and below 10% of the lower explosive limit. Use explosion-proof ventilation equipment where vapors may accumulate.
Eye / face protection	Chemical safety glasses with side shields or splash goggles (ANSI Z87.1).
Skin / hand protection	Chemical-resistant gloves (nitrile or butyl rubber). Wear clothing that prevents repeated or prolonged skin contact. Note that acetone degrades many glove materials; change gloves at the first sign of swelling or breakthrough.
Respiratory protection	Not normally required with adequate ventilation. Where exposure limits may be exceeded or ventilation is inadequate, use a NIOSH-approved air-purifying respirator with organic-vapor cartridges; use supplied-air respiratory protection in confined spaces or where concentrations are unknown.

Hygiene measures	Wash hands thoroughly after handling and before eating, drinking or smoking. Do not touch eyes while using this product. Launder contaminated clothing before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol; clear, colorless liquid spray
Color	Colorless
Odor	Aliphatic solvent (acetone-like) odor
Melting point / freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available for the mixture (acetone component: 133 °F / 56 °C)
Flammability	Extremely flammable aerosol (Aerosols Category 1)
Lower and upper explosion / flammability limit	No data available for the mixture (acetone component: LEL 2.5 % / UEL 12.8 % by volume)
Flash point	Not determined for the pressurized mixture (acetone component: approx. –4 °F / –20 °C, closed cup)
Auto-ignition temperature	No data available (acetone component: 869 °F / 465 °C)
Decomposition temperature	No data available
pH	Not applicable
Kinematic viscosity	No data available (low-viscosity solvent)
Solubility	Insoluble in water (0 %)
Partition coefficient n-octanol/water (log value)	No data available for the mixture (acetone log Kow –0.24; heptane log Kow 4.66)
Vapor pressure	No data available for the mixture (acetone component: 180 mm Hg at 68 °F / 20 °C)
Density and/or relative density	Relative density 0.76 – 0.79 at 77 °F (25 °C), water = 1
Relative vapor density	Heavier than air (acetone component: 2.0, air = 1)
Particle characteristics	Not applicable (liquid aerosol)
Evaporation rate (butyl acetate = 1)	> 3 (fast)
Odor threshold	No data available
Volatile organic compounds (VOC)	8.9 % by weight (acetone is VOC-exempt)

10 STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions of use.
Chemical stability	Stable under recommended storage and handling conditions.
Possibility of hazardous reactions	None known. Hazardous polymerization will not occur.
Conditions to avoid	Heat, sparks, open flames, hot surfaces and other ignition sources; temperatures above 122 °F (50 °C); direct sunlight; static discharge.
Incompatible materials	Strong alkalis, strong oxidizing agents, some plastics and rubber.
Hazardous decomposition products	None under normal conditions. Combustion produces carbon monoxide, carbon dioxide and various hydrocarbons.

11 TOXICOLOGICAL INFORMATION

Likely routes of exposure	Inhalation, eye contact and skin contact. Ingestion is not a likely route of exposure for an aerosol.

Symptoms related to the physical, chemical and toxicological characteristics	Eyes: irritation, redness, tearing and pain; possible conjunctivitis and corneal injury with severe exposure. Inhalation: headache, dizziness, nausea, drowsiness and central nervous system depression; excessive or prolonged exposure may cause unconsciousness. Skin: brief contact is not irritating; prolonged or repeated contact causes defatting, dryness, redness, itching and dermatitis. Ingestion: gastrointestinal irritation, nausea, vomiting, diarrhea and central nervous system depression.
Acute effects	Causes serious eye irritation (Category 2A). May cause drowsiness or dizziness (STOT SE 3, narcotic effects). Not classified for acute toxicity by any route based on component data.
Delayed, immediate and chronic effects	Dermatitis may occur from long-term, repeated skin contact. Chronic overexposure to the solvent vapors may affect the liver and kidneys. Pre-existing skin, respiratory, liver, kidney or cardiovascular conditions may be aggravated by overexposure.
Numerical measures of toxicity	Acetone: LD50 oral rat 5,800 mg/kg; LD50 oral mouse 3,000 mg/kg; LD50 oral rabbit 5,340 mg/kg; LC50 inhalation rat (8 h) 50,100 mg/m^3; LC50 inhalation mouse (4 h) 44,000 mg/m^3. Heptane: LD50 oral rat > 15,000 mg/kg; LD50 dermal rabbit > 3,160 mg/kg; LC50 inhalation rat (4 h) 103 mg/L. Mixture ATE values exceed the classification cut-offs by all routes.
Carcinogenicity (NTP, IARC, OSHA)	No component is listed as a carcinogen by OSHA, NTP, IARC or ACGIH. Trace benzene in the heptane solvent is the basis of the California Proposition 65 statement in Section 15.
Other information	Germ cell mutagenicity, reproductive toxicity, respiratory or skin sensitization and aspiration hazard: not classified based on component data and concentrations.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic life. Acetone: LC50 rainbow trout (96 h) 5,540 mg/L; EC50 Daphnia magna (48 h) 6,100 mg/L; EC50 algae (8 d) 7,500 mg/L; EC50 Pseudomonas putida (16 h) 1,700 mg/L. n-Heptane: EC50 Daphnia magna (48 h) 1.50 mg/L.
Persistence and degradability	Readily biodegradable; the solvents evaporate rapidly to air where they are degraded photochemically.
Bioaccumulative potential	Acetone has a low bioaccumulation potential (log Kow –0.24). Heptane may bioaccumulate in aquatic organisms (log Kow 4.66) but is rapidly volatilized.
Mobility in soil	Mobile in soil; highly volatile and partitions mainly to air.
Other adverse effects	Do not allow to enter drains, surface water or groundwater.

13 DISPOSAL CONSIDERATIONS

Disposal methods	Dispose of contents in accordance with local, state and federal regulations. Unused product is likely an ignitable hazardous waste (RCRA D001, 40 CFR 261); characterize the waste before disposal. Do not discharge to sewers or waterways.
Contaminated packaging	Do not puncture, incinerate or reuse the container. Completely empty aerosol cans may be recycled or disposed of as non-hazardous waste where permitted; partially full cans must be managed as hazardous waste or processed in an approved aerosol can recycling unit.

14 TRANSPORT INFORMATION

DOT (49 CFR) UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class	2.1
Packing group	Not applicable
DOT notes	Ground (49 CFR): may be shipped as Limited Quantity (49 CFR 173.306) in inner packagings not exceeding 1 L (the former Other Regulated Material designation is no longer authorized). Aerosols are not assigned a packing group.
Other modes (IMDG / IATA)	IATA: UN1950, Aerosols, flammable, 2.1 (Limited Quantity provisions apply; cargo/passenger aircraft per packing instructions 203/Y203). IMDG: UN1950, Aerosols, 2.1, Limited Quantity.

Environmental hazards	Not a marine pollutant.
Special precautions for user	Keep containers upright and secured. Do not transport in the passenger compartment of a vehicle in direct sunlight. Protect from heat above 122 °F (50 °C).

15 REGULATORY INFORMATION

OSHA HCS status	Hazardous under OSHA HCS 29 CFR 1910.1200 (2024): Aerosols Category 1; Serious eye damage/eye irritation Category 2A; Specific target organ toxicity – single exposure Category 3 (narcotic effects).
SARA 311/312 hazard categories	• Flammable (gases, aerosols, liquids, or solids) • Serious eye damage or eye irritation • Specific target organ toxicity (single or repeated exposure)
SARA 313 (TRI)	This product does not contain any chemical component above the de minimis reporting level established by SARA Title III, Section 313.
CERCLA reportable quantity	Acetone (67-64-1): reportable quantity 5,000 lb (2,270 kg).
TSCA	All components are listed on the TSCA Inventory or are exempt.
State regulations	California Proposition 65 — WARNING: This product can expose you to chemicals including benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. State right-to-know / air-quality lists: acetone (CA, DE, ID, ME, MA, MN, NJ, PA, RI, WA); heptane (CA, IL, MA, NJ, PA, RI).
Other	• Consumer Product Safety Commission (16 CFR 1500): labeled 'Extremely Flammable' and 'Contents under pressure'. • VOC content 8.9 % by weight; complies with the CARB and OTC consumer-products VOC limit for brake cleaners (10 %). Acetone is VOC-exempt under 40 CFR 51.100(s). • NFPA 30B: Level 3 aerosol. • International inventories: components listed or exempt on AIIC (Australia), DSL (Canada), IECSC (China), KECI (Korea) and PICCS (Philippines).

16 OTHER INFORMATION

HAZARD RATINGS (SUPPLEMENTAL)

HMIS®			
Health	**Flammability**	**Physical**	**PPE**
1	3	0	B

NFPA 704			
Health	**Flammability**	**Instability**	**Special**
1	3	0	—

HMIS and NFPA ratings are supplemental and are not part of the GHS classification.

Date of preparation	11/06/2026
Version	1.0
Supersedes	New issue (no prior Lubri-Loy SDS); manufacturer data revised 04/27/2022
Prepared by	The Lubri-Loy Company, Saint Louis, MO · Company (877) 582-7456 · Deliveries (314) 887-5889
Revision notes	• First issue of this product under the Lubri-Loy name (part number LB-8090). Prepared from the contract manufacturer's Safety Data Sheet for product code 8090 (prepared 01/22/2014, revised 04/27/2022) in the 16-section GHS format required by OSHA HCS 2024. • Classification updated to HCS 2024: the former 'Gases under pressure (dissolved gas)' class and H280 statement are superseded by Aerosols Category 1 with H229. • Precautionary statements completed for each hazard class; OSHA, ACGIH and NIOSH exposure limits and CERCLA, SARA and state information carried over and checked. • Completed with documented assumptions; see Basis of classification and assumptions.

BASIS OF CLASSIFICATION AND ASSUMPTIONS

This Safety Data Sheet was prepared from the product's formulation records and prior data sheet, supplemented by published data for the identified components. Where specific product data were not available, the following assumptions were applied:

- Composition, physical data, toxicology and ecotoxicology are taken from the contract manufacturer's current Safety Data Sheet for this formulation (product code 8090, revised 04/27/2022), which The Lubri-Loy Company sells under the Lubri-Brake name as part number LB-8090.

- The manufacturer's sheet lists a 'Gases under pressure' classification; under OSHA HCS 2024 aerosols are classified only as Aerosols (Category 1) with hazard statement H229, so the separate gas-under-pressure class and pictogram are not applied.
- Heptane is present at 5–10%, below the 10% hydrocarbon threshold for an aspiration-hazard classification and below the 10% cut-off for skin irritation; the mixture is therefore not classified for those endpoints.
- The manufacturer's California Proposition 65 warning (benzene, present as a trace impurity of the heptane solvent) is carried over unchanged.
- Flash point and explosive limits are not determined for the pressurized mixture; the acetone component has a closed-cup flash point of about −4 °F (−20 °C) and explosive limits of 2.5–12.8% by volume, which are given as component data.

ABBREVIATIONS

ACGIH – American Conference of Governmental Industrial Hygienists; CAS – Chemical Abstracts Service; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; DOT – U.S. Department of Transportation; GHS – Globally Harmonized System; HCS – Hazard Communication Standard; IARC – International Agency for Research on Cancer; NTP – National Toxicology Program; OSHA – Occupational Safety and Health Administration; PEL – Permissible Exposure Limit; RQ – Reportable Quantity; SARA – Superfund Amendments and Reauthorization Act; STEL – Short-Term Exposure Limit; TLV – Threshold Limit Value; TSCA – Toxic Substances Control Act; TWA – Time-Weighted Average.

DISCLAIMER

The information in this Safety Data Sheet is believed to be accurate as of the date of preparation and is provided in good faith. It relates only to the specific product designated and may not be valid when the product is used in combination with other materials or in any process. The Lubri-Loy Company makes no warranty, express or implied, regarding the accuracy or completeness of this information or the results obtained from its use, and assumes no liability for loss, damage or expense arising from the handling, storage, use or disposal of the product. Users are responsible for determining the suitability of the product for their purposes and for complying with all applicable laws and regulations.

END OF SAFETY DATA SHEET