LUBRI-LOY®
PREMIUM LUBRICANTS & GREASES

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MATERIAL SAFETY DATA SHEET

IG-011

LUBRI-LOY IMPACT-G HIGH PERFORMANCE GEAR GREASE

PETROLEUM HYDROCARBONS & ADDITIVES

LUBRI-LOY CATALOG #: IG-011, IG-640 **DATE ISSUED:** 9/11/2009 **REPLACES ISSUE:** 1/26/2007

I PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

Product Name	Lubri-Loy Impact-G High Performance Gear Grease
Chemical Name	Petroleum hydrocarbons & additives
Lubri-Loy Catalog#	IG-011, IG-640
Date Issued	9/11/2009
Replaces Issue	1/26/2007
24-Hr. Emergency Phone	CHEMTREC (800) 424-9300

II COMPONENTS AND HAZARD INFORMATION

CHEMICAL NAME	CAS#	%	EXPOSURE LIMITS			
			TVL		PEL	
			PPM	MG/M3	PPM	MG/M3
Mixture of Petroleum Oils	64742-16-1, 64741-56-6, 64742-01-4, 64742-57-5 64742-62-7	42-44		5		5
Polyalphaolefin Synthetic Base Fluid	68037-01-4	11-20		5		5
Acetylene Black	1333-86-4	3-7		3.5		3.5
Graphite	7782-42-5	3-7		2		15
MPCCF						
Aluminum Paste	7429-90-5	1-3		10		15
Molybdenum Disulfide	1317-33-5	3-7		10		15
Olefin Copolymer Additive (Mixture)		16-18		NE		NE
Organophilic Clay	68953-58-2	3-6		NE		NE

PLEASE NOTE THAT THE CHEMICAL IDENTITY Of SOME OR ALL OF THE ABOVE HAZARDOUS INGREDIENTS IS CONFIDENTIAL INFORMATION AND MAY BE WITHHELD AS PERMITTED BY 29CFR 1910.1200 AND VARIOUS STATE RIGHT TO KNOW LAWS.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

HEALTH	FLAMMABILITY	REACTIVITY
1	1	0

III HEALTH AND HAZARD INFORMATION

STABILITY [X] STABLE [ ] UNSTABLE Hazardous Decomposition [ ] WILL [X] WILL NOT OCCUR

Incompatibility (Mat. to avoid)	Strong oxidizers and reducers
Hazardous Decomposition Products	Oxides of carbon, sulfur and by products of incomplete combustion.
Conditions to Avoid	None
Threshold Limit Value and Sources	5.0/mg/m3 for oil mist. OSHA & ACGIH.

ACUTE EFFECTS OF OVEREXPOSURE:

Ingestion	Nausea and Diarrhea. Tackiness agents in this product may be possibly coagulated by stomach acids if ingested.
Eye Contact	Severe irritation and redness to eyes.
Skin Contact	Prolonged and repeated contact with the skin can cause irritation and redness to skin.
Inhalation	Vapors can be given off under high heat conditions excessive breathing of vapors can cause irritation of the respiratory tract.
CHRONIC EFFECTS OF OVEREXPOSURE	None currently known

IV FIRST AID PROCEDURES

EMERGENCY AND FIRST AID PROCEDURES:

Swallowing	If victim is conscious give 2 glasses of water to drink. Do not induce vomiting. Seek medical attention immediately.
Skin	Wash skin thoroughly with soap and water. Launder contaminated clothing.
Inhalation	Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately.
Eyes	Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately

V FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point (Method) ∞F/∞C	445∞F/229.44∞C C.O.C. (ASTM D-92)
Flammability Limits UEL & LEL	——Not Determined
Extinguishing Media	Carbon dioxide foam, dry chemical foam, sand, earth, waterfog.
Special Fire Fighting Procedures	For fires involving this material, do not enter any enclosed or confined space without protective equipment including self-contained breathing apparatus.
Unusual Fire & Explosion Hazards	Dense Black Smoke

VI ACCIDENTAL RELEASE MEASURES

Environmental Impact	This material is not expected to present any environmental problems other than those associated with oil spills. If spilled into a watercourse, call the Coast Guard Toll Free No. 800-424-8802.
Procedures To Be Taken If Material Is Released or Spilled	Absorb large spills with absorbent clay or other suitable material. Shovel up and place in a hazardous waste disposal drum. Keep out of sewers and watercourses.
Waste Disposal Method	Dispose of at an approved waste or disposal site facility in accordance with all applicable federal, state and local laws and regulations. This product is not considered to be an RCRA hazardous waste.

VII HANDLING AND STORAGE

PRECAUTIONARY MEASURES:

Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking.

Storage	Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.
Container Warnings	Keep containers closed when not in use. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

VIII PROTECTION AND PRECAUTIONS

Respiratory Protection	None required under ordinary conditions of use. If air contaminants concentrations exceed OSHA and ACGIH limits use MSHA/NIOSH organic vapor cartridge type respirators.
Ventilation	No special requirement under ordinary conditions of use and with adequate ventilation. If air contaminant concentrations exceed OSHA & ACGIH limits use explosion proof ventilation equipment.
Eye Protection	Goggles or face shield.
Protective Clothing	Neoprene or oil resistant gloves.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not store near heat, spark, flame or strong oxidizers. Keep containers closed when not in use.

SPECIAL COMMENTS:

Remove oil soaked clothing, launder before reuse. Wash skin thoroughly with soap and water before eating, smoking, or using toilet facilities. Keep away from food and feed products

IX PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	>600°F/315.5°C
Vapor Pressure (mm, Hg)	Not Determined
Vapor Density (Air = 1)	Not Determined
Solubility in Water	Insoluble
Specific Gravity	1.05
% Volatile	Nil
Evaporation Rate: (=1)	Not Established
pH	Not Applicable
Appearance and Odor	Silver, black color, aromatic odor.

X STABILITY AND REACTIVITY

Stability	Material is stable under normal conditions.
Conditions to Avoid	Avoid heat and open flames.
Materials to Avoid	Avoid contact with strong oxidizing agents.
Hazardous Decomposition Products	Thermal decomposition products are highly dependent on combustion conditions.

A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Carbon Monoxide, Carbon Dioxide and other unidentified organic compounds may be formed upon combustion.

XI TOXICOLOGICAL INFORMATION

This product does not contain any of the chemicals listed on the National Toxicology Program Annual Reports, The International Agency for Cancer Research Monographs and OSHA's Subpart Z List.

This product does not contain any chemicals that are found on the State of California's Proposition 65 List for chemicals classified as potential reproductive or cancer causing agent.

SARA TITLE III INFORMATION

This product does not contain greater than 1% of any of the chemicals listed on the EPA's Section 313 list or the CERCLA lists.

All of the components in this material are on the US TSCA Inventory List and are in compliance with the Canadian Environmental Protection Act, the EC Seventh Amendment Directive 921321EEC and the chemical notification requirements of Australia, Austria and the Environmentally Hazardous Substance Ordinance of Switzerland.

X OTHER INFORMATION

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Lubri-Loy, Inc. makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Lubri-Loy, Inc. be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers.

Ingredients are listed in Section 2 if they present a physical or health hazard and are present at or above 1.0% in the mixture. If a ingredient is identified as a CARCINOGEN by NTP, IARC,ACGIH, or OSHA as of the date on the MSDS, it will be listed in Section 3 when present at or above 0.1% in the product. Negative statements concerning carcinogenicity are not reported. Other ingredients may be listed if deemed appropriate. Additional health information may be found in Section 3.