

### SECTION I - SOURCE AND NOMENCLATURE

**SUPPLIER'S NAME**

LUBRIQUIP, INC. A Unit of IDEX Corporation  
 2041 S. STOUGHTON ROAD  
 MADISON, WI 53716

**EMERGENCY TELEPHONE**

CHEM-TEL: 800-255-3924 (N. America)  
 813-248-0585 Collect (International)

**TRADE NAME**

WEARMASTER® KF 310 SERIES  
 (ALL ISO GRADES)

**COMPANY PHONE**

LUBRIQUIP: 608-221-1100  
 FAX: 608-221-8411

**CHEMICAL FAMILY**

Petroleum hydrocarbon oil blend

**CAS Number (finished product):**

COMPLEX MIXTURE  
 CAS Number Not Applicable

**CHEMICAL NAME**

Petroleum lubricating oil

**HMIS  
 HAZARDOUS MATERIALS  
 IDENTIFICATION SYSTEM**

**HEALTH** 1  
**FLAMMABILITY** 1  
**REACTIVITY** 0

**HAZARD RATING**

Least - 0 Slight - 1  
 Moderate - 2  
 High - 3 Extreme - 4

### SECTION II - COMPONENTS & HAZARD INFORMATION

**COMPONENTS**

PROPRIETARY FORMULA. This material is essentially lubricating oil with corrosion inhibitor and antiwear compounds. It is not believed to be hazardous material by U.S. Dept. of Labor definition, and would not require a warning label as specified in the Hazardous Substance Act.

**CAS NUMBER**

Mixture

**APPROX. CONCENTRATION**

100.0

**Exposure Limit for Total Product: 5 mg/m<sup>3</sup> for oil mist**

**Basis: OSHA Reg 29 CFR 1910.1000**

NOTE: \* Subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.  
 # Indicates a carcinogen or potential carcinogen as listed by NTP, IARC, or OSHA (29 CFR 1910.1200 (D)#4).

IT IS NOT BELIEVED TO BE HAZARDOUS MATERIAL BY U.S. DEPT. OF LABOR DEFINITION, AND WOULD NOT REQUIRE A WARNING LABEL AS SPECIFIED IN THE HAZARDOUS SUBSTANCE ACT.

THIS PRODUCT IS NOT CONSIDERED HAZARDOUS ACCORDING TO 29 CFR 1910.1200 OSHA COMMUNICATION STANDARD.

**U.S. TSCA Inventory:** All components are included on the U.S. TSCA Inventory.

**CERCLA:** Under the Comprehensive Response, Compensation and Liability Act, (CERCLA), certain release to air, land, or water may be reportable to the National Response Center at 800-424-8802. Circumstances surrounding the release and cleanup determine reportability. This product is not subject to CERCLA reporting requirements.

**SARA Sections 301-304:** Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 SARA 301-304 not applicable.

**SARA Sections 311-313:** Toxic Chemical Release reporting. EPA Regulation 40 CFR 372 SARA Sections 311-313 not applicable.

### SECTION III - PHYSICAL DATA

<b>BOILING POINT</b>	Not available	<b>VAPOR PRESSURE</b>	Nil
<b>MELTING POINT</b>	Not available	<b>VAPOR DENSITY</b>	Not available
<b>SPECIFIC GRAVITY</b>	0.8676 - 0.8860	<b>EVAPORATION RATE</b>	Nil
<b>SOLUBILITY IN WATER</b>	Nil	<b>PERCENT VOLATILE</b>	Nil
<b>APPEARANCE/ODOR</b>	Clear to amber colored lube oil with little or no odor		

### SECTION IV - FIRE PROTECTION INFORMATION

**FLASH POINT:** 410°F (210°C) min.  
 Min. ASTM D 92  
 C.O.C.

**FLAMMABLE LIMITS or EXPLOSIVE LIMITS:** (Approximate Percent By Volume In Air)  
 THESE ARE ESTIMATED VALUES

**LOWER FLAMMABLE LIMIT -** 0.9%  
**UPPER FLAMMABLE LIMIT -** 7.0%

**AUTOIGNITION TEMPERATURE:**  
 NOT DETERMINED

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None.

**NATIONAL FIRE  
 PROTECTION ASSOCIATION  
 (NFPA) - Hazard Identification**

Health - 1  
 Flammability - 1  
 Reactivity - 0

**HAZARD RATING (NFPA)**

4-Extreme 3-High 2-Moderate  
 1-Slight 0-Insignificant

**SECTION IV - FIRE PROTECTION INFORMATION**

**HANDLING PRECAUTIONS:** Use product with caution around heat, sparks, pilot lights, static electricity and open flame.

**DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:** Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes, and other decomposition products, in the case of incomplete combustion.

**EXTINGUISHING MEDIA & FIRE FIGHTING PROCEDURES:** Foam, water fog, dry chemical, carbon dioxide, and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on the size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists. The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's *Fire Protection Guide on Hazardous Materials*.

Use water fog, dry chemical, foam or carbon dioxide. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited use water spray to disperse the vapors and to provide protection for men attempting to stop a leak. Water spray may be used to flush spills away from explosives. Use supplied air breathing equipment for enclosed or confined spaces or as otherwise needed.

**EMPTY CONTAINER WARNING:** "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

**SECTION V - PROTECTION & PRECAUTIONS**

**RESPIRATORY PROTECTION:** No special requirements under ordinary conditions of use and with adequate ventilation.

**VENTILATION:**

GENERAL (MECHANICAL) ROOM VENTILATION IS USUALLY SATISFACTORY.

**WORK PRACTICES / ENGINEERING CONTROLS:** Keep containers and storage containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

**EYE PROTECTION:** Use splash goggles or face shield when eye contact may occur.

**PROTECTIVE GLOVES:** Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

**PERSONAL HYGIENE:** Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil soaked. Clean skin thoroughly after contact, before breaks and meals and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

**SECTION VI - SPILL OR LEAK PROCEDURES**

**PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:** Recover free product. Add sand, earth, or other suitable absorbent material to the spill area. Minimize breathing vapors. Minimize skin contact. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.

**ENVIRONMENTAL IMPACT:** Report spills as required to the appropriate authorities. U.S. Coast Guard Regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to the Coast Guard toll free number 800-424-8802.

ASSURE CONFORMITY WITH ALL APPLICABLE REGULATIONS.

**SECTION VII - REACTIVITY**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**CONDITIONS & MATERIALS TO AVOID:** Avoid heat, open flames and oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulate and gases will evolve when this material undergoes combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

**SECTION VIII - EMERGENCY & FIRST AID PROCEDURES & PRIMARY ROUTES OF ENTRY**

**EYE CONTACT:** If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

**SKIN CONTACT:** In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

**INGESTION:** If ingested, DO NOT induce vomiting; call a physician immediately.

**INHALATION:** Vapor pressure is very low. Vapor inhalation under ambient temperature conditions is not normally a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. Administer oxygen, if available. If over-exposed to oil mist, remove from further exposure until excessive mist oil condition subsides.

**SECTION IX - EFFECTS OF OVEREXPOSURE**

**SKIN:** Prolonged or repeated skin contact may cause skin irritation.

**INGESTION:** Relatively non-toxic.

**EYE:** Slight irritation.

UNDER THE PENNSYLVANIA RIGHT TO KNOW ACT 35 P.S 7311 (a) and other states' regulations, the specific chemical identity is being withheld as a trade secret, except in the event of a medical emergency.

We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of the product are not within the control of Lubriquip A Unit of IDEX CORPORATION, it is the user's obligation to determine the conditions of safe use of the product.