SAFETY DATA SHEET (SDS)

1 - IDENTIFICATION

LS-K-306

Chemical family: Petroleum Hydrocarbon

Recommended use: Threading Lubricant

Tower Metalworking Fluids
4300 South Tripp Ave.
Chicago, IL 60632

Information telephone #: (773) 927-6161 (7:30 AM to 4 PM, CST, Monday to Friday)
24 Hr. emergency telephone #: CHEMTREC: (800) 424-9300

2 - HAZARDS IDENTIFICATION

OSHA/HCS Status: This material is classified as non-hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012)
Classification of chemical/mixture: Not Classified

Signal word: None required.

Hazard Pictogram: None required.

Hazard statement: None required.

Precautionary statement: None required.

3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical name	CAS #	Concentration
Ingredients classified as non-hazardous under OSHA regulations (29CFR 1900-1200) (Hazcom 2012)		

4 - FIRST-AID MEASURES

Description of first aid measures:

Inhalation: If overcome by fumes from hot product, move to fresh air. Get medical attention.

Ingestion: Do not induce vomiting. Get medical attention.

Skin: Wash with warm water and mild soap. Remove contaminated clothing.

Eye: Remove contact lenses, if present and easy to do. Flush with water for 15 minutes or until irritation subsides.

Symptoms and effects, both acute and delayed:

Acute: Possible skin and transient eye irritation. Low order of oral and dermal toxicity.

Chronic: Repeated or prolonged skin contact may remove natural oils, resulting in development of dermatitis.

5 - FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable: Use water fog or spray, foam, dry chemicals, or carbon dioxide (CO_2) to extinguish flames.
Unsuitable: Do not use straight streams of water, as this will spread the fire.

Specific hazards and combustion products: Products may include and are not limited to oxides of carbon, sulfur, and phosphorus upon combustion.

Special protective equipment and precautions for fire-fighters: Use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel. If a spill has not ignited, use water spray to disperse vapors.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: All persons dealing with the spill should wear appropriate personal protective equipment. Keep others away from spill. Restrict access to area until the spill has been cleaned up. Extinguish all sources of ignition.

Methods and materials for containment and cleaning up: Extinguish all sources of ignition. Contain spill and transfer to suitable containers or soak up in absorbent medium. If spill enters sewer, notify proper authorities.

7 - HANDLING AND STORAGE

Precautions for safe handling: Minimize breathing oil mists. Avoid prolonged or repeated skin contact. Wash thoroughly before meals and at end of work periods. Launder or dry-clean soiled clothing before reuse. Personnel in close vicinity of oil mists above TLV limit should wear approved breathing devices.

Conditions for safe storage: Keep containers closed when not in use. Do not handle or store near heat, sparks, flame, or strong oxidants.

Incompatible materials: Strong oxidizing agents.

8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limits: No exposure standards have been established for this material.

Engineering controls: None required under normal use conditions

Individual protection measures and personal protective equipment: Splash goggles, face shield, oil and chemical resistant gloves, impervious apron if needed to avoid prolonged skin contact.

TLV: 5mg/m^3 as oil mist in air over an 8 hour daily exposure (ACGIH)

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark Amber Liquid
Odor:	Bland Petroleum
Odor threshold:	Data currently unavailable
Product pH:	N/A
Freezing point:	Data currently unavailable
Boiling point:	IBP ≈ 490ºF (254ºC)
Flash point:	Typical >340ºF (171ºC) COC
Evaporation rate:	< 0.01 (BA=1)
Flammability:	Data currently unavailable
Upper/lower flammability limits:	LEL: 0.9% UEL: 7.0%
Vapor pressure:	< 0.01 mm Hg @ 25ºC
Vapor density:	> 5 (Air = 1)
Relative density:	0.92 (Water = 1)
Solubility:	Insoluble in water.
Partition coefficient (n-octanol/water):	Information not available.
Auto-ignition temperature:	Information not available.
Decomposition temperature:	Information not available.
Viscosity:	Typical 220 SUS @ 100ºF
Percent volatile by volume:	Negligible

10 - STABILITY AND REACTIVITY

Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerization will not occur.
Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: Material does not decompose at ambient temperatures. Decomposition products may include and are not limited to oxides of carbon, sulfur, and phosphorus upon combustion.

11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation:	Yes
Ingestion:	Yes
Skin:	Yes
Eye:	Yes

Potential Symptoms of exposure:

Inhalation:	May cause irritation of respiratory tract. Avoid breathing vapors or mist of this product. Prolonged inhalation may be harmful.
Ingestion:	Do not ingest. Small amounts swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.
Skin:	Minimally toxic under normal use. May be mildly irritating with prolonged and/or repeated skin contact.
Eye:	Contact with eyes may cause irritation. Injuries not expected under normal use.

Toxicological data: No data available.

NTP, IARC or OSHA carcinogen: None of the constituents of this product have been identified as possible or proven carcinogens by NTP, IARC, or OSHA.

12 - ECOLOGICAL INFORMATION

Ecotoxicity: Data not available.
Persistence and degradability: Not available
Bioaccumulative potential: Data not available.
Mobility in soil: Data not available.
Other adverse effects: None known.

13 - DISPOSAL CONSIDERATIONS

Waste disposal method: Dispose of in accordance with federal, state and local regulations.

14 - TRANSPORT INFORMATION

DOT Shipping: Not regulated by the U.S. Department of Transportation as a hazardous material.
DOT Hazard class: Not Regulated.
UN/NA Number: Not Regulated.

15 - REGULATORY INFORMATION

Sara III (Superfund Amendment and Reauthorization Act of 1986) 40 CFR Part 372 and 40 CFR Part 355

Sections 302, 304 and 40 CFR Part 355 – Extremely Hazardous Substances:

Component	%	RQ (lbs.)	TPQ (lbs.)	CAS#
NONE	–	–	–	–

Sections 311, 312 and 40 CFR Part 355 – Hazard Categories:

ACCUTE(IMMEDIATE HEALTH HAZARD):	YES	**FIRE HAZARD:**	YES
CHRONIC (DELATED HEALTH HAZARD):	NO	**REACTIVE HAZARD:**	NO
SUDDEN PRESSURE RELEASE:	NO		

Sections 313 and 40 CFR Part 372 – Toxic Chemicals:

Component	%	CAS#
NONE	–	–

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

Section 102 and 40 CFR Part 302 – Hazardous Substances:

Component	%	RQ (lbs.)	CAS#
NONE	–	–	–

CLEAN WATER ACT

Under section 311 (b) (4) of this act, contamination of surface waters by petroleum products must be reported immediately to the National Response Center. SECTION 311 (b) (4) DOES APPLY TO LS-K-306

California Proposition 65: None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All components of this formula are listed in the TSCA inventory.

16 - OTHER INFORMATION

Preparation Date: May 7, 2015

Revision Date: June 12, 2017