

Material Safety Data Sheet

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

VISCOSITY OIL CO
600H Joliet Rd
Willowbrook, IL 60527

Product Name: LINK BELT DIESEL ENGINE OIL CJ-4 SAE 15W40

Transportation Emergency Response

CHEMTREC (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview

Physical State: Liquid Color: Amber Odor: Mild
May cause temporary irritation to the eyes.
Prolonged or repeated exposure may cause mild irritation to the skin.
Spills may create a slipping hazard.

Hazard Ranking

	HMIS	NFPA
Health	1	1
Fire	1	1
Reactivity	0	0

Key: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Concentration (%)
Severely Solvent Refined Heavy Paraffinic Petroleum Oil	64741-88-4	70 – 80
Proprietary Ingredients	Proprietary	10 – 20
Zinc Alkyldithiophosphate	Confidential	1.0 – 9.9
Alkylated phenol	Confidential	0.1 – 0.9
p-Dodecylphenol	74499-35-7	

SECTION 4: FIRST AID MEASURES

EYES: Cautiously flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting the eyelids. Get immediate medical attention.

SKIN: Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse and discard saturated leather articles.

INGESTION: DO NOT INDUCE VOMITING. If more than a half-cup full of this material is swallowed, give quantities of water and obtain medical attention. Do not give anything by mouth to an unconscious person.

INHALATION: Vaporization is not expected at ambient temperatures. This material is not expected to be an inhalation problem under the anticipated conditions of use. In case of overexposure, move person to fresh air.

NOTE TO PHYSICIAN: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 329°F. (165°C)

METHOD OF DETERMINATION: COC D92

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water spray. Water may cause frothing and splattering. Cool tanks and exposed containers with water.

HAZARDOUS COMBUSTION PRODUCTS: Toxic fumes, gases of vapors may evolve on burning.

FIRE FIGHTING INSTRUCTIONS: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. Material will float on water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ensure your own health and safety before attempting spill control or clean up. Take the proper precautions see Section 1 for Emergency Overview, Section 8 for Personal Protection and Section 13 for Disposal Considerations.

SMALL SPILL: Personal protective equipment must be worn (see Person Protection section for recommendations). Absorb spill with an inert material (e.g., dry sand or earth), then place in a chemical waste container. Use caution, material may present a slipping hazard.

LARGE SPILL: Contain spill and prevent it from entering all water bodies, if possible. Safely stop flow of spill. Evacuate non-essential personnel from immediate spill area. Ventilate area if spilled in a confined space or other poorly ventilated areas. In natural environments, get advice from ecologists on clean-up procedures. This material will float on water. Absorbent materials and pads can be used. Maximize product recovery for reuse or recycling. Transfer liquids and solid diking material to separate, suitable containers for recovery or disposal. Comply with all applicable laws. Spills may need to be reported to the National Response Center (800-424-8802).

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks and flame. Keep containers closed when not in use. Do not discharge into drains or the environment. Dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Hands should be washed thoroughly after handling. To avoid product degradation, avoid water contamination.

STORAGE: KEEP OUT OF REACH OF CHILDREN! Odorous and toxic fumes may form from the

decomposition of this material if stored at temperatures in excess of 113°F (45°C) for extended periods of time. Periods of exposure to high temperatures should be minimized

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines:

COMPONENT	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
Hydrotreated Distillate, Heavy Paraffinic (Oil mist)	5 mg/m ³	N/E	5 mg/m ³	10 mg/m ³
Zinc Alkyldithiophosphate	N/E	N/E	N/E	N/E
Diphenylamine	N/E	N/e	10 mg/cu. M	N/E

Exposure Controls: Use adequate ventilation to keep oil mists of this material below applicable guideline(s)/standard(s).

Respiratory Protection: Under normal conditions, a respirator is not required. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA-approved respiratory equipment.

Skin Protection: Use chemical resistant gloves to avoid prolonged or repeated skin contact. Gloves should be replaced if signs of degradation or chemical breakthrough occur. Do not wear rings, watches or similar apparel that could trap material and cause a skin reaction. Long sleeve shirt is recommended. When leaving work area, wash hands/exposed skin with soap and water.

Eye Protection: Use splash goggles or face shield. Eye wash water should be available. Hard contact lenses should not be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

APPEARANCE:	<u>Dark amber</u>
FLASH POINT:	<u>329 Deg. F (165 Deg. C) by COC D92</u>
ODOR:	<u>Mild</u>
SPECIFIC GRAVITY:	<u>29.7 API</u>
SOLUBILITY IN WATER:	<u>Negligible</u>
PHYSICAL STATE:	<u>Liquid</u>
VAPOR PRESSURE:	<u>Not Determined</u>
VAPOR DENSITY:	<u>Not Determined</u>
PERCENT VOLATILE:	<u>Negligible</u>
VISCOSITY @ 100 Deg. C:	<u>14.98 centistokes</u>
VISCOSITY @ 40 Deg. C:	<u>113.06 centistokes</u>

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is considered stable at room temperature and pressure. Avoid heat, sparks and open flame.

INCOMPATIBILITY: Strong oxidizing agents, Acids

HAZARDOUS COMBUSTION PRODUCTS: Burning or excessive heating may produce smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Under combustion conditions the oxides of calcium, sulfur, and zinc will be formed.

POSSIBILITY OF HAZARDOUS REACTIONS: None

SECTION 11: TOXICOLOGICAL INFORMATION

EYE IRRITATION: May cause eye irritation, based on component data.

SKIN IRRITATION: Not expected to be a primary irritant, based on component data. Long-term exposure may cause redness, edema, drying and cracking of skin, based on component data. Personnel with pre-existing skin disorders should avoid this material.

RESPIRATORY IRRITATION: No significant adverse health effects are expected to occur under normal conditions of use. However, exposure to petroleum mist at high levels may be irritating to the nose, throat and lungs.

ORAL TOXICITY: No significant adverse health effects are expected to occur upon short-term exposure based on data from components.

CHRONIC TOXICITY: Component data indicates that a component in this material showed internal organ (i.e. liver and thyroid enlargement) effects with repeated oral dosing. The effects were adaptive and reversible.

CARCINOGENICITY: This product is formulated with mineral oils, which are considered to be severely refined and not considered to be carcinogenic under IARC. The IP346 test has not been used to evaluate these oils. Laboratory studies sponsored by the American Petroleum Institute show that mice develop skin cancer following repeated application and continuous exposure to used motor oil composite. Avoid contact with used motor oils.

MUTAGENICITY: Component data indicates that a marginal positive response was elicited in one bacterial strain of the Ames Mutagenicity assay. The data also indicates that subsequent studies with mammalian cells did not show mutagenic potential.

TERATOLOGY (BIRTH DEFECT) INFORMATION: This product contains a component containing para-dodecylphenol. Component data indicates that rats given high, repeated daily doses of para-dodecylphenol experienced adverse reproductive effects. The relevance of these effects to humans is

uncertain.

REPRODUCTION INFORMATION: This product contains a component that contains para-dodecylphenol. The component data indicates that pregnant rats given high, repeated daily doses of para-dodecylphenol gave birth to pups with cleft palate and skeletal malformations. The relevance of these effects to humans is uncertain.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: This material is not expected to be readily biodegradable based on component data

ENVIRONMENTAL FATE INFORMATION: Component data indicates that plants and animals may experience harmful or fatal effects when coated with petroleum products.

SECTION 13: DISPOSAL CONSIDERATIONS

To determine the proper method of disposal, refer to RCRA (40 CFR 261) as well as federal EPA and state and local regulations. Conditions of use may cause this material to become a "Hazardous Waste", as defined by state or federal laws. Use approved treatment, transporters and disposal sites in compliance with all applicable laws.

EMPTY CONTAINER WARNING: Empty containers contain residue, which may exhibit the hazards of the product. Do not attempt to refill or clean containers since residue is difficult to remove. Do not pressurize, cut, heat or weld containers.

SECTION 14: TRANSPORT INFORMATION

DOT Hazard Class: Not regulated
UN/NA Number: None
IMO: Not Regulated
IATA: Not Regulated

SECTION 15: REGULATORY INFORMATION

Global Regulatory Information:

United States (TSCA)	All ingredients are on the inventory.
Other TSCA	None known
Canada (DSL)	All ingredients are on the inventory.
European Union (EINECS)	Contains an ingredient that may need notification.
Japan (METI)	Contains an ingredient that may need notification.
Philippines (PICCS)	All ingredients are on the inventory.
South Korea (KECL)	All ingredients are on the inventory.
Australia (AICS)	All ingredients are on the inventory.

China

All ingredients are on the inventory.

U. S. Regulatory Information

SARA III, Section 313: This product contains 1.0% as zinc

CERCLA: This product contains 1.0% as zinc.

SARA 311 Classifications:

Acute Hazard	Yes
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

SARA Extremely Hazardous Substance: This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986

PROPOSITION 65 : Based on information currently available, this product is known to contain the following chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 based on impurity levels of components: <1 ppm Benzene, (CAS no.71-43-2), <1 ppm arsenic, <1 ppm cadmium, < 1 ppm lead. If this product is reformulated or further processed, further evaluations should be done based upon such reformulation or processing, as well as upon its final composition and use.

SECTION 16: OTHER INFORMATION

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources, which we believe are reliable. **HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.**

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. **FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT.**

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Date: 26 June 2008

Revision Date: None

Revisions: None