

MATERIAL SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Central Petroleum Company
201 East Lincoln Street
Walcott, IA 52773-0116

Phone Number: 563-284-6221
Monday-Friday, 8:00 a.m. - 3:45 p.m. CST
Fax Number: 563-284-5124
Emergency:
CHEMTREC 1-800-424-9300

Product Name: Cen-Pe-Co Bar & Chain Oil
Common Name: Lubricating oil

Issued Date: 05/14/08

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance/Odor: Amber liquid with petroleum odor.

Caution:

Keep away from heat and flame.

Avoid breathing vapor or mist.

Causes respiratory tract and eye irritation.

Avoid contact with eyes, skin, and clothing.

Wash hands thoroughly after use.

Prolonged or repeated contact with **used** oil may be harmful to skin and could cause skin cancer.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects: See Section 11 for more information

Likely Routes of Exposure: Eye contact, skin contact, and inhalation

Eye: May cause eye irritation, redness, stinging, water, and swelling.

Skin: May cause skin irritation, including redness, itching, and burning.
Prolonged or repeated exposure may cause dermatitis.

Ingestion: May irritate mucous membranes. May cause nausea, vomiting, dizziness, staggering gait, drowsiness, loss of consciousness, delirium, and central nervous system (CNS) effects. Material may be aspirated into the lungs during vomiting. Aspiration of some of the components can cause severe lung damage or death.

Inhalation: Breathing high concentrations of vapors may be harmful. Mist or vapor can irritate the upper respiratory tract. Inhalation of mineral spirits may cause central nervous system depression. Symptoms include nausea, headache, dizziness, fatigue, drowsiness, or unconsciousness.
Intentionally concentrating and inhaling vapors may be harmful or fatal.

Medical Conditions Aggravated By Exposure:

May cause more significant irritation in people with pre-existing skin, eye, or respiratory conditions.

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Target Organs:

Gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS), kidneys, lungs, and liver.

This product contains carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	% by Wt.
Severely Solvent Refined Residuuum		<30
Severely Solvent Refined Heavy Paraffinic Petroleum Oil		55-70
Severely Solvent Refined Light Paraffinic Petroleum Oil		0-7
Petroleum Hydrocarbon Solvent		3-4
Proprietary Performance Additive		1-1.5
Proprietary Performance Additive		1-1.5
Also Contains (within components listed above)		
Ethylmethylbenzene		~0.16
Trimethylbenzene		~0.16
Xylene		~0.1
Zinc alkyldithiophosphate		0.56-0.67

Comment: HiTec 385

Comment: LZ 5703

Section 4: FIRST AID MEASURES

Eye Contact: Flush eyes with water for at least 15 minutes. Seek immediate medical attention.

Skin Contact: Remove contaminated clothing and wash before reuse. Remove excess from skin and wash with soap and water. Seek medical attention if symptoms persist.

Ingestion: Do NOT induce vomiting. If vomiting spontaneously occurs, have the victim lean forward to reduce the risk of aspiration. Seek immediate medical attention

Inhalation: Move to fresh air. If breathing has stopped, give artificial respiration. Seek medical attention if symptoms occur.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog, regular foam, dry chemical, or carbon dioxide. Water may be used to cool containers.

Protection of Firefighters:

Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

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Eliminate all sources of ignition. Avoid contact with spilled material. Use personal protection recommended in Section 8.

Environmental Precautions:

Prevent from entering sewers and waterways.

Methods for Clean-Up:

Absorb with inert material. Clean with non-sparking tools. Place in appropriate disposal container.

Section 7: HANDLING AND STORAGE

Handling:

Keep away from heat, sparks, and open flame. Extinguish all possible ignition sources prior to use and until vapors are gone. Vapors may accumulate and travel to ignition sources distant from handling site and flash back. Use approved bonding and grounding procedures. Use explosion-proof electrical equipment. Do not use compressed air when filling, discharging, or handling. Keep containers tightly sealed when not in use. Transfer only to approved containers with complete and appropriate labeling. Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Do not take internally.

Empty containers may contain residue. Do not cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, spark, or other ignition sources.

Storage:

Keep container in a cool, well-ventilated area. Avoid possible sources of ignition. Keep containers tightly closed.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Mineral Oil

ACGIH TWA: 5 Mg/M³
ACGIH STEL: 10 Mg/M³
OSHA TWA: 5 Mg/M³

Oil Mist

ACGIH TLV: 5 Mg/M³
OSHA PEL: 5 Mg/M³

Stoddard Solvent

ACGIH TLV: 100 ppm (8 Hours)
OSHA TWA: 500 ppm (8 Hours)

Trimethylbenzenes, all isomers

ACGIH TWA: 25 ppm (8 Hours)

Xylene, all isomers

ACGIH TWA: 100 ppm (8 Hours)
ACGIH STEL: 150 ppm (15 Minutes)
OSHA TWA: 100 ppm (8 Hours)

Engineering Controls:

Sufficient ventilation, in volume and pattern, should be provided to keep the vapor concentration below applicable OSHA requirements.

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Eye/Face Protection:

Safety goggles. Wear chemical splash goggles or faceshield if contact is possible due to misting, splashing, or spraying.

Skin Protection:

Wear chemical resistant gloves, coveralls, apron, and/or boots as necessary to prevent contact. Do not wear rings, watches, or other items of apparel that could trap the material and cause a skin reaction.

Respiratory Protection:

If exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH approved organic vapor/particulate respirator. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas, and for large spill sites.

General Hygiene Considerations:

Wash hands before eating or using washroom.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Amber
Odor:	Petroleum
Odor Threshold:	Not available
Physical State:	Liquid
pH	Not available
Melting/Freezing Point:	Not applicable
Boiling Point:	Not available
Flash Point:	330 °F (165.6°C)
Fire Point:	
Evaporation Rate:	Not available
Flammability (solid, gas):	Not available
Upper Flammability Limit:	Not available
Lower Flammability Limit:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Specific Gravity:	0.87
Solubility (H ₂ O):	Not available
Auto Ignition Temperature	Not available
Decomposition Temperature:	Not available
Percent Volatile, wt %:	Not available
Volatile Organic Compound (VOC) Content, wt %:	Not available
Viscosity:	Not available

Section 10: STABILITY AND REACTIVITY

Stability:

Stable under normal temperatures and conditions.

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Conditions to Avoid:

Avoid heat, sparks, flame, and other sources of ignition.

Incompatible Materials:

Strong oxidizing and reducing agents, strong acids, and strong bases.

Hazardous Decomposition Products:

Combustion products include smoke, carbon oxides, nitrogen oxides, aldehydes, ketones, and organic acids.

Section 11: TOXICOLOGICAL INFORMATION

Specific toxicity tests have not been conducted on this mixture. In accordance with OSHA's Hazard Communication Standard 1910.1200, this mixture is assumed to have the same health hazards as its significant components.

Acute Effects:

Eye: May cause eye irritation, redness, stinging, water, and swelling.
Skin: May cause skin irritation, including redness, itching, and burning. Prolonged or repeated exposure may cause dermatitis.
Ingestion: May irritate mucous membranes and gastrointestinal tract. May cause nausea, vomiting, diarrhea, dizziness, staggering gait, drowsiness, loss of consciousness, delirium, and central nervous system (CNS) effects. Material may be aspirated into the lungs during vomiting. Aspiration of some of the components can cause severe lung damage or death.
Inhalation: Breathing high concentrations of vapors may be harmful. Mist or vapor can irritate the upper respiratory tract. Inhalation of mineral spirits may cause central nervous system depression. Symptoms include nausea, headache, dizziness, fatigue, drowsiness, or unconsciousness. Intentionally concentrating and inhaling vapors may be harmful or fatal.

Chronic Effects:

Prolonged and repeated overexposure to solvents have been associated with irreversible brain and nervous system damage ("Solvent or Painter's Syndrome").

Carcinogenicity:

This product contains ethylbenzene at or above 0.1%. The IARC considers ethylbenzene to be possibly carcinogenic to humans (Group 2B) based on laboratory animal studies.

Prolonged or repeated contact with **used** oil may be harmful to skin and could cause skin cancer.

Target Organs:

Contains components that may cause damage to the gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS), kidneys, lungs, and liver.

Section 12: ECOLOGICAL INFORMATION

Potentially toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

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Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

Section 14: TRANSPORT INFORMATION

US Department of Transportation:

Not regulated.

Section 15: REGULATORY INFORMATION

SARA 313 Information:

<u>Component</u>	<u>CAS#</u>	<u>% by Wt.</u>
Ethylbenzene	100-41-4	~0.16
Xylene	1330-20-7	~0.1
Zinc Compounds		0.56-0.67

Section 16: OTHER INFORMATION

NFPA 704: National Fire Protection Association

Health = 1 Flammability = 1 Reactivity = 0

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Disclaimer:

This information has been compiled from sources considered to be dependable and is accurate to the best of Central Petroleum Company's knowledge; however, the Central Petroleum Company makes no warranty whatsoever, expressed or implied, of merchantability or fitness for particular purpose regarding the accuracy of such data or the results to be obtained from the use thereof. The Central Petroleum Company assumes no responsibility for injury to recipient or third persons or for any damage to any property and recipient assumes all such risks.