



# MAJOR BRANDS LUBRICANTS

## SAE 15W40

Heavy Duty CK-4 Diesel Motor Oil

### SAFETY DATA SHEET

#### SECTION 1

#### CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Chemical Name: Performance Motor Oil (CJ-4)  
Product Description: Diesel motor oil  
Use of substance/mixture: Automotive Engine lubricant  
Chemical Family: Petroleum  
CAS Registry: N/A  
Details of the supplier: Major Brands Oil Company  
462 West 23rd Street, Holland, MI 49423  
616-392-5936  
www.majorbrandsoil.com

Date Prepared: 10/17/2014

**EMERGENCY PHONE NUMBERS**  
USA Chemtrec 800-424-9300 24 hrs  
International Chemtrec 703-527-3887

#### SECTION 2

#### HAZARDOUS IDENTIFICATION

GHS-US Classification  
Classification of Mixture:

This product is not expected to cause a severe emergency hazard. This product has a medium amber tint, viscous liquid. It has a slight petroleum odor. The product floats on water. The product is slightly combustible (Flammability Class IIIB) but will burn. Heated product will produce colorless vapors. Heated vapors in the presence of an ignition source can be explosive if confined.

GHS-US Labelling  
Pictograms:



GHS07



GHS08



GHS09

Signal Word:  
Hazard Statements:  
Precautionary statements:

Caution  
H302 - Harmful if swallowed  
P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P264 - Wash affected areas thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear personal protective equipment as required  
P301, P310 - If swallowed: Immediately call doctor/physician or poison center  
P301, P330, P331 - If swallowed: rinse mouth. DO NOT induce vomiting  
P308, P313 - If exposed or concerned: Get medical advice/attention  
P405 - store locked up  
P501 - Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations

No additional hazards

No data available for unknown acute toxicity



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## SAE 15W40

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### SAFETY DATA SHEET

#### SECTION 3

#### COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS No.</u>	<u>Wt. Range %</u>	<u>ACGIH TLV</u>	<u>PEL</u>
Highly refined petroleum Lubricating oil	72623-87-1	0-98%		
Zinc Alkyl dithiophosphate	113706-15-3	0-2%		

#### SECTION 4

#### FIRST AID MEASURES

##### Emergency and First Aid Procedures:

Eye contact:

Immediately flush with large quantities of water for at least 15 minutes. If material is hot, treat for thermal burns and take victim to hospital. If irritation persists, call a physician.

Skin contact:

In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as an emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. Prolonged or repeated skin contact may cause skin irritation.

Ingestion:

Product is practically non-toxic. Do not induce vomiting. Obtain emergency medical attention.

Inhalation:

Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitations: administer oxygen, if available. If overexposed to oil mist, remove from exposure until excessive oil mist condition subsides.

#### SECTION 5

#### FIRE-FIGHTING MEASURES

##### Unusual Fire Fighting

Procedures:

None known

Flash Point:

230 °F

Flash Point Method:

COC ASTM D92

Burning Rate:

Not applicable

Autoignition Temperature:

Not determined

Flammable limits in air

(% by volume):

LEL: Not determined

UEL: Not determined

Extinguishing Media:

Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.



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#### Special Fire Fighting Procedures:

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", Tenth Edition (1991):

Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

#### Decomposition products under fire conditions:

Decomposition and combustion materials may be toxic. Burning may produce sulfur oxides, aldehydes, ketones, carbon monoxide and unidentified organic compounds.

### SECTION 6

### ACCIDENTAL RELEASE MEASURES

#### Clean Water Act/Oil Pollution Act:

This product may be classified as oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills that enter a water body must be immediately reported to the National Response Center.

#### Accidental Release or Spill:

Notify appropriate authorities of spill. This material will float on water and will be transported by storm runoff. Spills to the ground should be immobilized and removed immediately. Spills to watercourses such as storm drains, sewers, ditches, streams, ponds, etc. must be contained with dikes, dams, floating booms, pads, etc. as appropriate. Recover free product. Absorb with appropriate inert materials such as sand, clay, earth, or other suitable absorbent to spill area. Remove all sources of ignition. Minimize skin contact. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable governmental regulations.

### SECTION 7

### HANDLING AND STORAGE

#### Handling and Storage Precautions:

Keep away from flames, sparks, oxidizing materials or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. NFPA Class IIIIB storage. Wash thoroughly after handling. This product is not classified as hazardous under DOT regulations. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.16-Flammable and combustible liquids.

#### Work/Hygienic Practices:

Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

#### "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, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.



# MAJOR BRANDS LUBRICANTS

## SAE 15W40

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### SAFETY DATA SHEET

Do not attempt to refill or clean containers 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 governmental regulations.

For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

#### SECTION 8

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Component Exposure Limits

Highly Refined Petroleum  
Lubricating Oil:  
ACGIH:

5mg/m<sup>3</sup> TWA (sampled by method that does not collect vapor) (related to Oil mist, mineral)  
10 mg/m<sup>3</sup> STEL (sampled by method that does not collect vapor) (related to Oil mist, mineral)

OSHA Final:  
OSHA Vacated:  
NIOSH:

5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)

Engineering Controls:

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

EYE/FACE PROTECTION:

Use safety glasses or splash goggles when eye contact may occur.  
Have suitable eye wash water available.



SKIN PROTECTION:

Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious clothing (gloves, boots, aprons, etc.). If handling hot material, use insulated protective clothing (gloves, boots, aprons, etc.). Acceptable materials for gloves are polyvinyl chloride; neoprene; nitrile; polyvinyl alcohol; viton. Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.

RESPIRATORY  
PROTECTION:

Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust or mist filter. All respirators must be NIOSH/MSH certified. **DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.**

VENTILATION:

If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific exposure or flammable limits. No smoking or use of flame or other ignition sources.

OTHER:

Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard).



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### SAFETY DATA SHEET

#### SECTION 9

#### PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and odor:</b>	Medium Amber liquid with a slight petroleum odor
Specific Gravity:	0.88 (estimated) (water = 1) (approximately)
Vapor Density:	Not applicable
Vapor Pressure:	Less than 0.1 mm Hg at 68°F (20°C)
Relative Density:	0.88 g/cm <sup>3</sup> at 60°F (15.5°C)
Initial Boiling Point:	Not Available
Boiling Range:	Not Available
Freezing/melting Point:	Not Available
pH:	Not applicable
Solubility in water:	Insoluble
Flash Point:	230°F (110°C) {Pensky-Martens. Min}
Flammability:	Not available
Flammable limits in air:	Lower: Not available                      Upper: Not available
Autoignition Temperature:	Not available

#### SECTION 10

#### STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Does not occur
<b>Chemical Incompatibilities:</b>	May react with strong oxidizers such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard.
<b>Conditions to Avoid:</b>	Sources of ignition
<b>Hazardous decomposition products:</b>	None under normal temperatures and pressures..

#### SECTION 11

#### TOXICOLOGICAL INFORMATION

<b>Acute Studies:</b>	Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.
Eye Effects:	Product contacting the eyes may cause eye irritation.
Skin Effects:	Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.
Acute Oral Effects:	Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.
Acute Inhalation Effects:	Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydrotreated, severely solvent extracted, and/or processed by mild hydrotreatment and extraction. Alternatively, it may consist of components not otherwise affected by IARC criteria, such as atmospheric distillates or synthetically derived materials, and as such is not characterized by current IARC classification criteria.



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#### SECTION 12

#### ECOLOGICAL INFORMATION

Ecotoxicity: the aquatic environment.	Material may be harmful to aquatic organisms. May cause long term adverse effects in
Persistence/Degradability:	Not readily biodegradable
Bioaccumulative Potential:	No information available for the product
Mobility in environmental Media: the land.	Based oil components(s) - Low solubility and floats; expected to migrate from water to
Other Adverse Effects:	Not available
Octanol/Water Partition Coefficient:	Not available
Volatile Organic Compounds:	Negligible
Aquatic Release:	Advise authorities if product has entered or may enter watercourses or sewer drains.

#### SECTION 13

#### DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method:</b>	All disposals must comply with federal, state, and local regulations. Product as supplied does not meet the characteristics of a hazardous waste as defined in 40 CFR Part 279. If mixed with other products, waste mixture must be characterized. DO NOT dispose of this product in drains or storm sewers. DO NOT dispose of this product in a landfill without prior solidification. Department of Transportation (DOT) Regulations may apply for transporting this material when spilled. Materials should be recycled if possible. Consider waste brokering.
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#### SECTION 14

#### TRANSPORT INFORMATION

DOT Shipping Name:	Not regulated as a hazardous material for Land Transport.
DOT Hazard Class:	Not applicable
DOT Identification Number:	Not applicable
DOT Packing Group:	Not applicable

#### SECTION 15

#### REGULATORY INFORMATION

SARA Sections 302,304: This product contains an "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B noted as the following:

Ethylenediamine	CAS # 107-15-3	Concentration %	0.0059
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Sara Sections

311 & 312 Reporting:

This product poses the following health hazard(s) as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate (Acute) Health Hazard	Yes
Delayed (Chronic) Health Hazard	Yes
Physical Fire	No
Physical Sudden Release of Pressure	No
Physical Reactive	No



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### SAFETY DATA SHEET

#### SARA Section 313:

This product contains the following chemical(s) subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

Zinc alky dithiophosphate      0-2.0%      CAS No. 113706-15-3

#### CERCLA

Based on the ingredients listed in SECTION 3, this product does not contain any "hazardous substances" listed pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4

#### US State Regulations Massachusetts Right to Know Components:

Highly refined mineral oil      64741-89-5  
Ethylenediamine      107-15-3

#### Pennsylvania Right to Know Components:

Zinc alkyl dithiophosphate      113706-15-3  
Highly refined mineral oil      64741-89-5  
Highly refined mineral oil      64742-54-7  
Highly refined mineral oil      64742-56-0  
Long chain alkaryl amine      36878-20-3  
Polyolefin amide alkyleneamine      84605-20-9  
Magnesium long chain alkaryl  
sulphonate      252312-98-4  
Methylene bridged aryl alcohol,  
Polyolefin ester derivative  
Highly refined mineral oil      64742-65-0  
Polyolefin      9003-29-6

#### New Jersey Right to Know Components

Zinc alkyl dithiophosphate      113706-15-3  
Highly refined mineral oil      64742-65-0  
Polyolefin amide alkyleneamine      84605-20-9  
Methylene bridged aryl alcohol  
Polyolefin ester derivative      742890923-5221

#### California

WARNING! This product contains a chemical know to the state of California to cause cancer and birth defects or other reproductive harm.

#### Components:

Trace Reportable Aromatic  
Compounds Trace Metals      71-43-2

#### TSCA:

All components listed in SECTION 3 are listed on, or are exempted from the requirements.

### SECTION 16

### OTHER INFORMATION

#### NFPA health hazard:

1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

#### NFPA fire hazard:

1 - Must be preheated before ignition can occur.

#### NFPA reactivity:

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



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