



PINK MOOSE LUBRICANTS

Safety Data Sheets

FLEET HEAVY DUTY ENGINE OIL CK-4

SECTION 1. IDENTIFICATION

GHS Product Identifier	Pink Moose Fleet Heavy Duty Engine Oil CK-4
Product Code	PMFL1540 (PM1051002), PMFL1030 (PM1051003)
Product Type	Mixture
Other means of identification	Engine Oil

Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Engine Oil
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Supplier's Details

North American Lubricants Company
7337 E. Doubletree Ranch Road, Suite 180
Scottsdale, AZ 85258
(800)430-6252
www.nalube.com

Emergency Telephone Number	24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887
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SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture	Not Classified
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GHS-US Labeling

Hazard Pictograms	None Required
Signal word	Not Hazardous
Hazard statements	None Required
Prevention	P273 - Avoid release to the environment.
Disposal	P501 – Dispose of contents/container in accordance with local, regional, national and international regulations
Other Hazards	The mixture consists of substances capable of producing an aspiration hazard. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure, and even death.
Unknown Acute Toxicity	20.73 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not Applicable

Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
<i>Petroleum distillates, solvent dewaxed</i>	(CAS No) 64742-65-0	75.75 – 95, 64 - 85	Not Classified
<i>heavy paraffinic, Distillates, petroleum, hydrotreated heavy paraffinic</i>	(CAS No) 64742-54-7	0 – 11, 10 - 17	Not Classified
<i>Paraffin oils*</i>	(CAS No) 8012-95-1	0 - 0.1, 0.1- 1, 1 - 5	Not Classified
<i>Phenol, 4-dodecyl-</i>	(CAS No) 104-43-8	0.1 - 1	Aquatic Chronic 3, H402
<i>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts</i>	(CAS No) 68649-42-3	2.7 - 11.75	Aquatic Chronic 3, H402

* The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

* More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

SECTION 4. FIRST AID MEASURES

Description of First Aid Measures

General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
Skin Contact	Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
Ingestion	Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General	No known significant effects or critical hazards.
Inhalation	Overexposure may be irritating to the respiratory system.
Skin Contact	Repeated or prolonged skin contact may cause irritation.
Eye Contact	Direct contact with the eyes is likely irritating.
Ingestion	Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms	No known significant effects or critical hazards.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media	Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media	Do not use a heavy water stream. Use of heavy streams of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard	Not flammable but will support combustion.
Explosion Hazard	Product is not explosive.
Reactivity	Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire	Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
Firefighting Instructions	Use water spray or fog for cooling exposed containers.
Protection During Firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products	Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.
Other Information	Refer to Section 9 for flammability properties.
Reference to Other Sections	Refer to Section 9 for flammability properties.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures	Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).
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For Non-Emergency Personnel

Protective Equipment	Use appropriate personal protection equipment (PPE).
Emergency Procedures	Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment	Equip cleanup crew with proper protection.
Emergency Procedures	Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

For Containment	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up	Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See Section 8: Exposure Controls and Personal Protection. For further information refer to Section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed

Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to ensure that safe operating conditions are established and maintained. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures

Comply with applicable regulations.

Storage Conditions

Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials

Strong acids, strong bases, strong oxidizers.

Specific End Use(s)

Engine Oil

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in Section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Paraffin oils (8012-95-1)

USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen highly and severely refined, Suspected Human Carcinogen highly and severely refined
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³
USA IDLH	US IDLH (mg/m ³)	2500 mg/m ³
Alberta	OEL STEL (mg/m ³)	10 mg/m ³
Alberta	OEL TWA (mg/m ³)	5 mg/m ³
British Columbia	OEL TWA (mg/m ³)	0.2 mg/m ³ (mildly refined) 1 mg/m ³ (severely refined)
Manitoba	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
New Brunswick	OEL STEL (mg/m ³)	10 mg/m ³
New Brunswick	OEL TWA (mg/m ³)	5 mg/m ³ (as sampled by a method that does not collect vapor)
Newfoundland & Labrador	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
Nova Scotia	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
Nunavut	OEL STEL (mg/m ³)	10 mg/m ³
Nunavut	OEL TWA (mg/m ³)	5 mg/m ³

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Northwest Territories	OEL STEL (mg/m ³)	10 mg/m ³
Northwest Territories	OEL TWA (mg/m ³)	5 mg/m ³
Ontario	OEL TWA (mg/m ³)	5 mg/m ³ (pure, highly and severely refined, excluding metal working fluids-inhalable)
Prince Edward Island	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
Québec	VECD (mg/m ³)	10 mg/m ³ (mist)
Québec	VEMP (mg/m ³)	5 mg/m ³ (mist)
Saskatchewan	OEL STEL (mg/m ³)	10 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	5 mg/m ³
Yukon	OEL STEL (mg/m ³)	10 mg/m ³
Yukon	OEL TWA (mg/m ³)	5 mg/m ³

Exposure Controls

Appropriate Engineering Controls	Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.
Personal Protective Equipment	Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection.
Materials for Protective Clothing	Chemically resistant materials and fabrics.
Hand Protection	Wear chemically resistant protective gloves.
Eye Protection	Chemical goggles or safety glasses.
Skin and Body Protection	Wear suitable protective clothing.
Respiratory Protection	Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
Environmental Exposure Controls	Do not allow the product to be released into the environment.
Consumer Exposure Controls	Do not eat, drink or smoke during use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Amber
Odor	Slight Hydrocarbon
Odor Threshold	Not available
pH	Not available
Evaporation Rate	Not available
Melting Point	Not available
Boiling Point	> 291 °C (555 °F)
Flash Point	> 204 °C (COC) (400 °F)
Auto-Ignition Temperature	> 320 °C (COC) (608 °F)
Decomposition Temperature	Not available
Flammability (solid, gas)	Not available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Lower Flammable Limit	Not available
Upper Flammable Limit	Not available
Vapor Pressure	Not available
Relative Vapor Density at 20°C	Not available
Relative Density	Not available
Specific Gravity	0.85
Solubility	Negligible
Partition Coefficient: N-Octanol/Water	Not available
Viscosity	Not available
Viscosity, Kinematic	Not available
Explosive Properties	Product is not explosive
Explosion Data - Sensitivity to Mechanical Impact	Not expected to present an explosion hazard due to mechanical impact.
Explosion Data - Sensitivity to Static Discharge	Not expected to present an explosion hazard due to static discharge.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical Stability	Stable under recommended handling and storage conditions (see Section 7).
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.
Incompatible Materials	Strong acids, strong bases, strong oxidizers.
Hazardous Decomposition Products	Thermal decomposition generates: carbon oxides (CO, CO ₂). Hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity	Not classified
LD50 and LC50 Data	Not available
Skin Corrosion/Irritation	Not classified
Eye Damage/Irritation	Not classified
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Teratogenicity	Not classified
Carcinogenicity	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	Not classified
Reproductive Toxicity	Not classified

SECTION 11. TOXICOLOGICAL INFORMATION

Specific Target Organ Toxicity (Single Exposure)	Not classified
Aspiration Hazard	Not classified
Symptoms/Injuries After Inhalation	Overexposure may be irritating to the respiratory system.
Symptoms/Injuries After Skin Contact	Repeated or prolonged skin contact may cause irritation.
Symptoms/Injuries After Eye Contact	Direct contact with the eyes is likely irritating.
Symptoms/Injuries After Ingestion	Ingestion is likely to be harmful or have adverse gastrointestinal effects.
Chronic Symptoms	Not Classified

Information on Toxicological Effects - Ingredients

LD50 and LC50 Data:

<i>Paraffin oils (8012-95-1)</i>	
LC50 Inhalation Rat	2062 ppm/4h
ATE US (gases)	2,062.00 ppmV/4h
IARC Group	1
<i>Heavy paraffinic, Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</i>	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2 g/kg
<i>Petroleum distillates, solvent dewaxed (64742-65-0)</i>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 5 g/kg

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Ecology - General Toxic to aquatic life.

<i>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)</i>	
LC50 Fish 1	1.0 - 5.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	1 - 1.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	10.0 - 35.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])
<i>Petroleum distillates, solvent dewaxed (64742-65-0)</i>	
EC50 Daphnia 1	> 1000 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
<i>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</i>	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Persistence and Degradability Not available

Bioaccumulative Potential Not available

Mobility in Soil Not available

SECTION 12. ECOLOGICAL INFORMATION

Other Adverse Effects

Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Sewage Disposal

Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains. Do not dispose of waste into sewer.

Recommendation

Waste Disposal

Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Recommendations

SECTION 14. TRANSPORT INFORMATION

In Accordance with DOT

Not regulated for transport

In Accordance with IMDG

Not regulated for transport

In Accordance with IATA

Not regulated for transport

In Accordance with TDG

Not regulated for transport

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

SARA Section 311/312

Not Classified

Hazard Classes

US State Regulations

Paraffin oils (8012-95-1)

U.S. – California

Right To Know List – Warning: This material may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm, and which may be subject to the warning requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5)

U.S. – Massachusetts

Right To Know List

U.S. – New Jersey

Right to Know Hazardous Substance List

U.S. – Pennsylvania

RTK (Right to Know) List

Canadian Regulations

WHMIS Classification

Not Classified

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Paraffin oils (8012-95-1)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Petroleum distillates, solvent dewaxed (64742-65-0)

Listed on the Canadian DSL (Domestic Substances List)

SECTION 15. REGULATORY INFORMATION

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16. OTHER INFORMATION

Revision Date 01/01/2017; 09/24/2026

Other Information This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases

P273	Avoid release into the environment.
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P501	Dispose of contents/container in accordance with local, regional, national, and international regulations.
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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Retif Oil & Fuel assumes no responsibility for injury from the use of the product described herein.