



**BOSS**  
**LUBRICANTS**



**BOSS CAMOIL**  
**SAFETY DATA SHEET**

**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** CAM Oil  
**Product Form:** Mixture  
**Synonyms:** Engine Oil

**SUPPLIER:**

**Boss Lubricants**  
112, 6303 30 St. SE  
Calgary, AB  
T2C 1R4

**Emergency Phone Number(s)**

**Business:** (800) 844-9457  
**Fax #:** (403) 279-2272  
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**Issue Date:** November 11, 2017  
**Supersedes Issue Date:** February 03, 2015

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification of the Substance or Mixture:** Not Classified

**GHS Label Elements**

**Signal Word:** Not Hazardous  
**Hazard statements:** None Required.

**Precautionary statements**

**General:** P273 - Avoid release to the environment.  
**Prevention:** Not applicable.  
**Response:** Not applicable.  
**Storage:** Not applicable.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

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 (GHS-US):** 20.73 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

**SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS**

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



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### SECTION 4: FIRST AID MEASURES

#### EMERGENCY AND FIRST AID PROCEDURES

- 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 water spray to cool fire exposed surfaces and to protect personnel. Use foam, dry chemical or water spray (fog) to extinguish fire.

**Unsuitable extinguishing media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### Specific hazards arising from the chemical

**Hazardous thermal decomposition products:** No specific data.

**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.

### 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).

#### 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.

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 Heading 8. Exposure controls and personal protection. For further information refer to section 13.





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### 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 assure 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.  
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.



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### SECTION 8: EXPOSURE CONTROL – PERSONAL PROTECTION

**8.1. 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 (TL V), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.  
05/16/2015 EN (English US) 4/8

#### Paraffin oils (8012-95-1)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (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 <sup>3</sup> )	5 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA IDLH	US IDLH (mg/m <sup>3</sup> )	2500 mg/m <sup>3</sup>
Alberta	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Alberta	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
British Columbia	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (mildly refined) 1 mg/m <sup>3</sup> (severely refined)
Manitoba	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (excluding metal working fluids, highly & severely refined-inhalable fraction)
New Brunswick	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (as sampled by a method that does not collect vapor)
Newfoundland & Labrador	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (excluding metal working fluids, highly & severely refined-inhalable fraction)
Nova Scotia	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (excluding metal working fluids, highly & severely refined-inhalable fraction)
Nunavut	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Nunavut	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Northwest Territories	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Ontario	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (pure, highly and severely refined, excluding metal working fluids-inhalable)
Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (excluding metal working fluids, highly & severely refined-inhalable fraction)
Québec	VECD (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (mist)
Québec	VEMP (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (mist)
Saskatchewan	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Yukon	OEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Yukon	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>



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### Exposure Controls

<b>Appropriate Engineering Controls:</b>	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.
<b>Personal Protective Equipment:</b>	Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection.
<b>Materials for Protective Clothing:</b>	Chemically resistant materials and fabrics.
<b>Hand Protection:</b>	Wear chemically resistant protective gloves.
<b>Eye Protection:</b>	Chemical goggles or safety glasses.
<b>Skin and Body Protection:</b>	Wear suitable protective clothing.
<b>Respiratory Protection:</b>	Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
<b>Environmental Exposure Controls:</b>	Do not allow the product to be released into the environment.
<b>Consumer Exposure Controls:</b>	Do not eat, drink or smoke during use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Specific Gravity:</b>	0.85
<b>Appearance:</b>	Amber	<b>Solubility:</b>	Negligible
<b>Odor:</b>	Slight	<b>Partition Coefficient: N-Octanol/Water:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Viscosity:</b>	Not available
<b>pH:</b>	Not available	<b>Viscosity, Kinematic:</b>	Not available
<b>Evaporation Rate:</b>	Not available	<b>Explosive Properties:</b>	Product is not explosive
<b>Melting Point:</b>	Not available	<b>Explosion Data – Sensitivity to Mechanical Impact:</b>	Not expected to present an explosion hazard due to mechanical impact
<b>Boiling Point:</b>	> 280 °C (536 °F)	<b>Explosion Data – Sensitivity to Static Discharge:</b>	Not expected to present an explosion hazard due to static discharge
<b>Flash Point:</b>	> 200 °C (COC) (392 °F)	<b>Lower Flammable Limit:</b>	Not available
<b>Auto-ignition Temperature:</b>	> 320 °C (COC) (608 °F)	<b>Upper Flammable Limit:</b>	Not available
<b>Decomposition Temperature:</b>	Not available	<b>Vapor Pressure:</b>	Not available
<b>Flammability(solid,gas):</b>	Not available	<b>Relative Vapor Density at 20 °C:</b>	Not available
<b>Relative Density:</b>	Not available		

### SECTION 10: STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY:</b>	Stable at room temperature and pressure. See handling and storage section)
<b>IMCOMPATIBILITY:</b>	Strong acids, strong bases, strong oxidizers.
<b>CONDITIONS TO AVOID:</b>	Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible Materials, and other ignitions sources
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Thermal decomposition generates: carbon oxides (CO, CO <sub>2</sub> ). Hydrocarbons
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.
<b>REACTIVITY:</b>	Hazardous reactions will not occur under normal conditions.





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### SECTION 11: TOXICOLOGY INFORMATION

#### Information on Toxicological Effects - Product

Acute Toxicity:	Not classified
LD50 and LC50 Data:	Not available 05/16/2015 EN (English US) 6/8
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
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 effects.
Chronic Symptoms:	Not Classified

#### Information on Toxicological Effects - Ingredient(s)

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

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

**Ecology - General:** Toxic to aquatic life. **Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)**

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)
LC 50 Fish 2	10.0 - 35.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])
<b>Petroleum distillates, solvent dewaxed (64742-65-0)</b>	
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)
<b>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</b>	
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)

<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available
<b>Other Adverse Effects:</b>	Avoid release to the environment.



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### SECTION 13: DISPOSAL CONSIDERATION

**Sewage Disposal Recommendations:** 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.

**Disposal Instructions:** Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**US EPA Waste Number & Descriptions:** These products, if discarded, are not expected to be a characteristic or listed hazardous waste. If recycled in the USA, they can be managed in accordance with the used oil exemption under 40 CFR Part 279. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of these products.

### SECTION 14: TRANSPORTATION

**Basic Description:** Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

**DOT**

**Proper Shipping Name:** No data available.  
**UN Number:** No data available.  
**Hazard Class:** No data available.  
**Packing Group:** No data available.

**TDG**

**Proper Shipping Name:** No data available.  
**UN Number:** No data available.  
**Hazard Class:** No data available.  
**Packing Group:** No data available.

**IMDG**

**Proper Shipping Name:** No data available.  
**UN Number:** No data available.  
**Hazard Class:** No data available.  
**Packing Group:** No data available.  
**Marine Pollutant:** No data available.

**IATA**

**Proper Shipping Name:** No data available.  
**UN Number:** No data available.  
**Hazard Class:** No data available.  
**Packing Group:** No data available.





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### SECTION 15: Regulatory Information

**US Federal Regulations SARA** Not Classified

**Section 311/312 Hazard Classes**

**US State Regulations**

**Paraffin oils (8012-95-1)**

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)

WHMIS Classification Uncontrolled product according to WHMIS classification criteria

**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

### SECTION 16: OTHER INFORMATION

Date: November 11, 2017

Supersedes: January 1, 2015

**Revision Information:** Update to SDS.

#### References

**ACGIH:** American Conference of Governmental Industrial Hygienists

**AIHA:** American Industrial Hygiene Association

**CFR:** Code of Federal Regulations

**DOT:** United States Department of Transportation

**GHS:** Globally Harmonized System of Classification and Labeling of Chemicals

**HMIS:** Hazardous Materials Identification System

**IARC:** International Agency for Research on Cancer

**IATA:** International Air Transportation Association

**IDLH:** Immediately Dangerous to Life or Health

**IMDG:** International Maritime Dangerous Goods

**NFPA:** National Fire Protection Association

**NIOSH:** National Institute for Occupational Safety and Health

**NTP:** National Toxicology Program

**OSHA:** Occupational Safety and Health Administration

**PEL:** Permissible Exposure Limit

**RTK:** Right-to-Know

**SARA:** Superfund Amendments and Reauthorization Act

**STEL:** Short-term Exposure Limit





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**TDG:** Transportation of Dangerous Goods

**TLV:** Threshold limit value

**TSCA:** Toxic Substances Control Act

**TWA:** Time weighted average

**UN:** United Nations

**WHMIS:** Workplace Hazardous Materials Information System

**Disclaimer** This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.