



## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** BOSS HI-PERFORMANCE 5000 ENGINE OIL  
Includes Grades 5W-20, 5W-30, 10W-30, 10W-40, 20W-50

**SYNONYMS:** Petroleum oil; Lube oil; Petroleum hydrocarbon; Lubricant.

**PRODUCT CODE:** Prefix 21

**PRODUCT USE:** For lubricating passenger car motors. If these products are used in combination with other products, refer to the Material Safety Data Sheet for those products.

**SUPPLIER:** BOSS Lubricants  
6303 30 Street SE  
Suite 112  
Calgary, AB T2C 1R4

**Emergency Phone Number(s)**  
**Business:** (800) 844-9457  
**Fax #:** (403) 279-2272  
**www.bosslubricants.com**

**ISSUE:** May 1, 2015

**ORIGINAL ISSUE:** October 31, 1998      **SUPERSEDES:** August 28, 2012

### SECTION 2: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**APPEARANCE:** Liquid, amber, petroleum odor.

**GHS LABEL ELEMENTS**

**Symbol(s):** None needed according to classification criteria.

**Signal Word:** None needed according to classification criteria.

**Hazard Statement(s):** None needed according to classification criteria.

**Precautionary Statement(s)**

**Prevention:** None needed according to classification criteria.

**Response:** None needed according to classification criteria.

**Storage:** None needed according to classification criteria.

**Disposal:** Dispose of in accordance with all applicable federal, Provincial and local regulations

**Hazard(s) Not Otherwise Classified:** Repeated exposure may cause skin dryness or cracking.

#### CAUTION!

**HEALTH HAZARDS:** May irritate eyes and skin.  
May be harmful if swallowed.

**OSHA Regulated Chemicals:** No information is available.

#### POTENTIAL HEALTH EFFECTS

**INHALATION:** These products are not likely to present an inhalation hazard at normal temperatures and pressures. However, when aerosolizing, misting, or heating these products, high concentrations of generated vapor or mist may irritate the respiratory tract (nose, throat, and lungs).

**EYES:** May cause irritation.

**SKIN:** May cause irritation. Not likely to be absorbed through the skin in harmful amounts.

**INGESTION:** May be harmful if swallowed. May cause throat irritation, nausea, vomiting, and diarrhea.



**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

**CHRONIC:** Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

**CANCER INFORMATION:** No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY**. Also see **SECTION 15: CALIFORNIA**.

**POTENTIAL ENVIRONMENTAL EFFECTS:** Not available. Also see **SECTION 12: ECOLOGICAL INFORMATION**.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Component	Percent
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	50-92
72623-87-1	Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	0-60
64742-54-7	Petroleum distillates, hydrotreated heavy paraffinic	4-42
64742-57-0	Residual oils (petroleum), hydrotreated	0-30
64742-62-7	Residual oils (petroleum), solvent dewaxed	0-30
72623-83-7	Lubricating oils (petroleum), C>25, hydrotreated bright stock	0-30
72623-86-0	Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	0-30
Not Available	Polyolefin***	0-9
Not Available	Polyolefin amide alkeneamine***	1-3
	Mineral oil**	0-35
68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	0-6
Not Available	Calcium sulfonate***	0.5-2
Not Available	Alkylamine***	0.5-2
Not Available	Alkylated phenol***	0.5-3

**Component Related Regulatory Information**

This product may be regulated, have exposure limits or other information identified as the following: Oil mist, mineral (8012-95-1). Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

\*\*The Mineral oil may be a mixture of the following CAS#s: 8042-47-5, 64742-46-7, 64742-47-8, 64742-52-5, 64742-54-7, 72623-84-8, 72623-85-9, 72623-86-0, 72623-87-1, 178603-64-0, 178603-66-2, 17603-65-1, and 445411-73-4

### SECTION 4: FIRST AID MEASURES

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

**EYES:** If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention.

**SKIN:** Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain develops or persists. If product is injected under pressure into or under the skin, or into any part of





the body, regardless of the appearance of the wound or its size, a physician should immediately evaluate the individual as a medical emergency.

**INGESTION:** Do NOT induce vomiting. Immediately get medical attention. Call 1-800-844-9457 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

**Important Symptoms/Effects**

**Acute:** No information on significant adverse effects.

**Delayed:** No information on significant adverse effects.

**NOTE TO PHYSICIANS:** Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-844-9457 for additional information

**SECTION 5: FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Carbon dioxide, regular foam, dry chemical, water spray, or water fog.  
Water or foam may cause frothing.

**Unsuitable Extinguishing Media:** Do not use high-pressure water streams.

**Specific Hazards Arising from the Chemical:** Negligible fire hazard. Avoid friction, static electricity and sparks.

**HAZARDOUS COMBUSTION PRODUCTS:** Decomposition and combustion materials may be toxic. Burning may produce aldehydes, hydrogen sulfide, alkyl mercaptans, sulfides, carbon monoxide, and oxides of sulfur, calcium and zinc and other unidentified organic compounds.

**CONDITIONS OF FLAMMABILITY:** Sparks, or flame. Product may burn, but does not ignite readily.

**PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:** A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**.

**Methods and Materials for Containment and Clean Up:** Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **Section 8: Exposure Controls/Personnel Protection**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal. There may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product.

Also see **Section 15: Regulatory Information**.

**FIRE FIGHTING INSTRUCTIONS:** Keep storage containers cool with water spray.

**FIRE AND EXPLOSION HAZARDS:** Heated containers may rupture. "Empty" containers may retain residue and can be dangerous. Products are not sensitive to mechanical impact or static discharge.





## SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Keep away from sparks and flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes.

**Conditions for Safe Storage, Including Any Incompatibilities:** Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

**Incompatibilities:** Strong oxidizing materials.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### **Component Exposure Limits**

##### **Lubricating oils, petroleum, hydrotreated spent (64742-58-1)**

ACGIH: 5 mg/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: 5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
OSHA Vacated: 5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
NIOSH: 5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
10 mg/m<sup>3</sup> STEL (related to Oil mist, mineral)

##### **Mineral oil (Not Available)**

ACGIH: 5 mg/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: 5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral) OSHA Vacated:  
5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
NIOSH: 5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
10 mg/m<sup>3</sup> STEL (related to Oil mist, mineral)

##### **Lubricating oils, (petroleum), C>25, hydrotreated brightstock (72623-83-7)**

5 mg/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 (related to Oil mist, mineral)  
OSHA: 5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
NIOSH: 5 mg/m<sup>3</sup> TWA (related to Oil mist (mineral)  
10 mg/m<sup>3</sup> STEL (related to Oil mist (mineral)



**Residual oils (petroleum), hydrotreated (64742-54-7)**

5 mg/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 (related to Oil mist, mineral)  
OSHA: 5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
NIOSH: 5 mg/m<sup>3</sup> TWA (related to Oil mist (mineral))  
10 mg/m<sup>3</sup> STEL (related to Oil mist (mineral))

**Neutral oil (72623-86-0)**

5 mg/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 (related to Oil mist, mineral)  
OSHA: 5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
NIOSH: 5 mg/m<sup>3</sup> TWA (related to Oil mist (mineral))  
10 mg/m<sup>3</sup> STEL (related to Oil mist (mineral))

**Residual oils (petroleum), solvent dewaxed (64742-62-7)**

ACGIH: 5 mg/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 (related to Oil mist, mineral)  
OSHA: 5 mg/m<sup>3</sup> TWA (related to Oil mist, mineral)  
NIOSH: 5 mg/m<sup>3</sup> TWA (related to Oil mist (mineral))  
10 mg/m<sup>3</sup> STEL (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.

**PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATORY PROTECTION:** Not normally needed. Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

**EYE PROTECTION:** Where eye contact is likely, wear chemical goggles; contact lens use is not recommended. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**SKIN PROTECTION:** Where skin contact is likely, wear neoprene, nitrile or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended.

When products are heated and skin contact is likely, wear heat-insulating, gloves, boots, and other protective clothing.

To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

**PERSONAL HYGIENE:** Use good personal hygiene. Wash thoroughly with soap and water after handling product before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard leather articles, such as shoes, saturated with these products.

**OTHER PROTECTIVE EQUIPMENT:** Where spills and splashes are likely, facilities storing or using these products should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Liquid	<b>VAPOR DENSITY:</b>	Not available
<b>POUR POINT:</b>	0°F (-18°C) (maximum)].	<b>APPEARANCE:</b>	Amber
<b>ODOR:</b>	Petroleum odor.	<b>FREEZING/MELTING POINT:</b>	Not available
<b>ODOR THRESHOLD:</b>	Not available	<b>pH:</b>	Not available.
<b>MOLECULAR WEIGHT:</b>	Not applicable	<b>EVAPORATION RATE:</b>	Not available
<b>SPECIFIC GRAVITY:</b>	0.88 (water = 1) (approximately)	<b>SOLUBILITY IN WATER:</b>	Insoluble
<b>DENSITY:</b>	7.3 LB/US gal (880 g/l)	<b>FLASH POINT:</b>	383°F (195°C)
(approximately)		(minimum) Cleveland Open Cup	
<b>Viscosity:</b>	>20.5 mm <sup>2</sup> /s @ 104°F (40°C)	<b>FLAMMABLE LIMITS IN AIR:</b>	
<b>BOILING POINT:</b>	475°F (246°C) (minimum)	<b>LOWER:</b>	Not available
<b>VAPOR PRESSURE:</b>	less than 0.1 mmHg at 68°F	<b>UPPER:</b>	Not available
(20°C)		<b>AUTOIGNITION TEMPERATURE:</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable under normal temperatures and pressures.
<b>CONDITIONS TO AVOID:</b>	Avoid sparks or flame when not in use.
<b>INCOMPATIBILITY:</b>	Avoid oxidizing agents, acids and reactive halogens.
<b>REACTIVITY:</b>	Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	None under normal temperatures and pressures. See also <b>SECTION 5:</b>
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	

## SECTION 11: TOXICOLOGICAL INFORMATION

### TOXICITY DATA:

#### Component Analysis - LD50/LC50

#### Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Oral LD50 Rat >2000 mg/kg  
 Dermal LD50 Rat >2000 mg/kg  
 Dermal LD50 Rabbit >4480 mg/kg

#### Residual oils (petroleum), solvent dewaxed (64742-62-7)

Inhalation LC50 Rat: 2.18 mg/L/4H  
 Oral LD50 Rat:>5000 mg/kg  
 Dermal LD50 Rabbit:>2000 mg/kg

#### Lubricating oils (petroleum), C>25, hydrotreated bright stock (72623-83-7)

Oral LD50 Rat:>5000 mg/kg

#### Residual oils (petroleum), hydrotreated (64742-54-7)

Inhalation LC50 Rat: 2.18 mg/L/4H Oral LD50 Rat: >2000 mg/kg  
 Dermal LD50 Rabbit: >2000 mg/kg

#### Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based (72623-86-0)

Inhalation LC50 Rat: 2.18 mg/L/4H Oral LD50 Rat: >5000 mg/kg  
 Dermal LD50 Rabbit: >2000 mg/kg





**Residual oils (petroleum), solvent refined (64742-01-4)**

Inhalation LC50 Rat: 2.18 mg/L/4H

Oral LD50 Rat:>5000 mg/kg

Dermal LD50 Rabbit:>2000 mg/kg

**Mineral oil (Not Available)**

Oral LD50 Mouse 22 g/kg (related to Oil mist, mineral)

**ACUTE EFFECTS:** These products are not likely to present an inhalation hazard at normal temperatures and pressures. However, when aerosolizing, misting, or heating these products, high concentrations of generated vapor or mist may irritate the respiratory tract (nose, throat, and lungs). May cause eye and skin irritation. Not likely to be absorbed through the skin in harmful amounts. May be harmful if swallowed. May cause throat irritation, nausea, vomiting, and diarrhea.

**REPEATED DOSE EFFECTS:** Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis). Experimental evidence suggests that these products do not cause mutagenesis. Based on best current information, there is no known sensitization, reproductive toxicity, or teratogenicity associated with these products.

**CARCINOGENICITY:** Based on best current information, there is no known carcinogenicity as categorized by ACGIH A1 or A2 substances; as categorized by IARC Group 1, Group 2A, or Group 2B agents; or as listed by NTP as either known carcinogens or substances for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. Also see **SECTION 15: CALIFORNIA.**

**Cell Mutagenicity:** No information available for the product.  
**Teratogenicity:** No information available for the product.  
**Reproductive Effects:** No epidemiological data is available for this product.

**Specific Target Organ Effects**

**Single Exposure:** information on significant adverse effects.  
**Repeated Exposure:** Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation.  
**Aspiration Hazard:** No data available.  
**Medical Conditions Aggravated by Exposure:** Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOTOXICITY:** No information available for the product.

**Component Analysis - Ecotoxicity - Aquatic Toxicity**

**Lubricating oils, petroleum, hydrotreated spent (64742-58-1)**

Test & Species	Results	Conditions
96 Hr LC50 Brachydanio rerio	79.6 mg/L	semi-static
96 Hr LC50 Pimephales promelas	3.2 mg/L	semi-static

**Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based (72623-87-1)**





Test & Species	Results	Conditions
96 Hr LC50 Oncorhynchus mykiss	>5000 mg/L	
<b>Residual oils (petroleum), solvent dewaxed (64742-62-7)</b>		
Test & Species	Results	Conditions
96 Hr LC50 Pimephales promelas	>5000 mg/L	
<b>Lubricating oils, petroleum, C&gt;25, hydrotreated bright stock (72623-83-7)</b>		
Test & Species	Results	Conditions
96 Hr LC50 Lepomis macrochirus	>10000 mg/L	
<b>Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based (72623-86-0)</b>		
Test & Species	Results	Conditions
96 Hr LC50 Oncorhynchus mykill	>5000 mg/L	
<b>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)</b>		
Test & Species	Results	Conditions
96 Hr LC50 Pimephales promelas	1-5 mg/L	static
<b>Residual oils (petroleum), solvent refined (64742-01-4)</b>		
Test & Species	Results	Conditions
96 Hr LC50 Oncorhynchus	>5000 mg/L	mykiss
<b>Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)</b>		
Test & Species	Results	Conditions
96 Hr LC50 Pimephales promelas	>5000	
<b>PERSISTENCE/ DEGRADABILITY:</b>	No information available.	
<b>BIOACCUMULATION/ ACCUMULATION:</b>	No information available.	
<b>MOBILITY IN ENVIRONMENTAL MEDIA:</b>	No information available.	
<b>OTHER ADVERSE EFFECTS:</b>	Not available.	
<b>OCTANOL/WATER PARTITION COEFFICIENT:</b>	Not available	
<b>VOLATILE ORGANIC COMPOUNDS:</b>	Negligible.	

### SECTION 13: DISPOSAL CONSIDERATIONS

**DISPOSAL:** Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact BOSS Lubricants regarding proper recycling or disposal.

**USEPA WASTE CODE(S):** These products, if discarded, are not expected to be a characteristic or listed hazardous waste. If recycled in the USA, they must be managed in accordance with 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: TRANSPORT INFORMATION

**DOT: Shipping Name:** Not regulated as a hazardous material for transportation.

**TDG: Shipping Name:** Not regulated as a hazardous material for transportation

**EMERGENCY RESPONSE GUIDE NUMBER:** Not applicable. Reference *North American Emergency Response Guidebook*







**SECTION 15: REGULATORY INFORMATION**

**Volatile Organic Compounds (As Regulated):** Negligible; As per 40 CFR Part 51.100(s)

**Federal Regulations**

**SARA 302/304**

**Component Analysis:** Based on the ingredient(s) listed in SECTION 3, this product does not contain any "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.

**SARA 311/312 Hazardous Categories**

**Acute Health:** Yes      **Chronic Health:** Yes      **Fire:** No      **Reactive:** No

**SARA Section 313**

**Component Analysis:** This product contains a "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

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

1.0 % of minimal concentration (related to Zinc compounds)

**CERCLA**

**Component Analysis:** Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

**TSCA Inventory:** All the components of this product are listed on, or are automatically included as "naturally occurring chemical substances on" or are exempted from the requirement to be listed on, the TSCA Inventory.

**Component Analysis**

Component	CAS #	TSCA
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	Yes
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	Yes
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	Yes
Residual oils (petroleum), solvent dewaxed	64742-62-7	Yes
Lubricating oils (petroleum), C>25, hydrotreated bright stock	72623-83-7	Yes
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	72623-86-0	Yes
Residual oils (petroleum), hydrotreated	64742-57-0	Yes
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	Yes

**U.S. State Regulations:** None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA. No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

**Canadian Regulations**

**Component Analysis**

Component	CAS #	CAN
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	DSL
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	DSL
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	DSL
Residual oils (petroleum), solvent dewaxed	64742-62-7	DSL





Lubricating oils (petroleum), C>25, hydrotreated bright stock	72623-83-7	DSL
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	72623-86-0	DSL
Residual oils (petroleum), hydrotreated	64742-57-0	DSL
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	DSL

**Canadian WHMIS Information**

Not regulated.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):** The components of this product are listed on, or are exempted from the requirements to be listed on, the Canadian Domestic Substances List (DSL).

**SECTION 16. OTHER INFORMATION**

**REVISION INFORMATION:** Reformat to SDS

**Key/Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

User assumes all risks incident to the use of this (these) product(s). To the best of our knowledge, the information contained herein is accurate. However, BOSS Lubricants assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.

