



# MATERIAL SAFETY DATA SHEET

MSDS: CHAMPION® MSDS 100 SERIES LUBRICANTS

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### CHAMPION® MSDS 100 SERIES LUBRICANTS

#### Synonyms:

- |   |   |
|---|---|
| 4030 CHAMPION® SUPER GRADE 10W40        | 4198 CHAMPION® ALL FLEET T 30                   |
| 4031 CHAMPION® LOW ASH ENGINE OIL 40    | 4222 CHAMPION® SYN-BLEND 5W30                   |
| 4032 CHAMPION® LOW ASH ENGINE OIL 30    | 4223 CHAMPION® MULT-VISC HEAT TRANSFER FLUID    |
| 4033 CHAMPION® SUPER GRADE HD 30        | 4228 CHAMPION® SYN-BLEND 10W 30                 |
| 4034 CHAMPION® LOW ASH ENGINE OIL 20    | 4229 CHAMPION® SYNTHETIC MOTOR OIL SAE 0W20     |
| 4036 CHAMPION® PREMIUM HD SAE 10        | 4230 CHAMPION® SYNCLEAN® 5W20                   |
| 4037 CHAMPION® PREMIUM HD SAE 20        | 4231 CHAMPION® SYNCLEAN® 5W30                   |
| 4038 CHAMPION® PREMIUM HD SAE 30        | 4232 CHAMPION® SYNCLEAN® 10W30                  |
| 4039 CHAMPION® PREMIUM HD SAE 40        | 4270 CHAMPION® POWER SHIELD ENGINE BREAK-IN OIL |
| 4040 CHAMPION® PREMIUM HD SAE 50        | 4287 CHAMPION® SUPER GRADE TORQUE FLUID         |
| 4092 CHAMPION® 4 CYCLE LAWNMOWER 30     | 4304 CHAMPION® HOT ROD SYNTHETIC 15W50          |
| 4101 CHAMPION® HOT ROD SYN-BLEND 10W30  | 4309 CHAMPION® RACING SYNTHETIC 15W50           |
| 4104 CHAMPION® RACING SYN-BLEND 10W30   | 4358 CHAMPION® BLUE FLAME® SYN-BLEND 15W40      |
| 4110 CHAMPION® 4-CYCLE MOTORCYCLE 20W50 | 4359 CHAMPION® CLASSIC BLUE FLAME® 15W40        |
| 4111 CHAMPION® RACING SYN-BLEND 20W50   | 4360 CHAMPION® RACING SYNTHETIC 0W20            |
| 4112 CHAMPION® HOT ROD SYN-BLEND 20W50  | 4361 CHAMPION® RACING SYNTHETIC 0W30            |
| 4152 CHAMPION® PREMIUM HD 15W40         | 4373 CHAMPION® BLUE FLAME® SYNTHETIC 5W40       |
| 4158 CHAMPION® ALL FLEET T 15W 40       | 4429 CHAMPION® SYNGOLD® MOTOR OIL 0W20          |
| 4160 CHAMPION® ALL FLEET T 10W 30       | 4430 CHAMPION® SYNGOLD® MOTOR OIL 5W20          |
| 4173 CHAMPION® ALL FLEET T 5W40         | 4431 CHAMPION® SYNGOLD® MOTOR OIL 5W30          |

#### Company Identification

Champion Brands, L.L.C., 1001 Golden Drive, Clinton, MO 64735  
PHONE: 800-821-5693 WEBSITE: [www.championbrands.com](http://www.championbrands.com)

<b>CAS Registry Number</b>	Not Applicable
<b>Synonyms</b>	Lubricating Oil
<b>Generic/Chemical Name</b>	Mixture
<b>Product Type</b>	Petroleum Based Lubricating Oil

#### Transportation Emergency Response

CHEMTREC: (800) 424-9300

#### Product Information

Product Information and MSDS Requests: (800) 821-5693 and [www.championbrands.com](http://www.championbrands.com)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
No Reportable Hazardous Substance(s) or Complex Substance(s).		

## 3. HAZARD IDENTIFICATION

This material is not considered to be hazardous according to regulatory guidelines (see (M)SDS Section 15).

#### POTENTIAL HEALTH EFFECTS

Low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation. High-pressure injection under skin may cause serious damage.



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NFPA Hazard ID:      Health: 0      Flammability: 1      Reactivity: 0  
HMIS Hazard ID:     Health: 0      Flammability: 1      Reactivity: 0

**NOTE:** This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

## 4. FIRST AID MEASURES

**Eye:** Flush thoroughly with water. If irritation occurs, get medical assistance.

**Skin:** Wash contact areas with soap and water. 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 a surgical 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. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

**Ingestion:** No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

**Inhalation:** Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

## 5. FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

Inappropriate Extinguishing Media: Straight Streams of Water

### FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: Aldehydes, Sulfur oxides, Oxides of carbon, Incomplete combustion products, Smoke, Fume

### FLAMMABILITY PROPERTIES

Flash Point [Method]: >215C (419F) [ASTM D-92]

Flammable Limits (Approximate volume % in air): LEL: 0.9      UEL: 7.0

Autoignition Temperature: N/D

## 6. ACCIDENTAL RELEASE INFORMATION

### NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. U.S. regulations require reporting releases of this material to the environment which exceed the reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800) 424-8802.

### SPILL MANAGEMENT

Land Spill: Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.



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Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

## ENVIRONMENTAL PRECAUTIONS

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

## 7. HANDLING AND STORAGE

### HANDLING

Avoid contact with used product. Prevent small spills and leakage to avoid slip hazard.

**Static Accumulator:** This material is a static accumulator.

### STORAGE

Do not store in open or unlabelled containers.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTIVE EQUIPMENT

**Exposure limits/standards for materials that can be formed when handling this product:** When mists / aerosols can occur, the following are recommended: 5 mg/m<sup>3</sup> - ACGIH TLV, 10 mg/m<sup>3</sup> - ACGIH STEL, 5 mg/m<sup>3</sup> - OSHA PEL.

**NOTE:** Limits/standards shown for guidance only. Follow applicable regulations.

### ENGINEERING CONTROLS

The level of protection and types of controls necessary will vary depending upon potential exposure conditions.

Control measures to consider:

No special requirements under ordinary conditions of use and with adequate ventilation.

### PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Respiratory Protection:** If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

No special requirements under ordinary conditions of use and with adequate ventilation.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode.

Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

**Hand Protection:** Any specific glove information provided is based on published literature and glove manufacturer data. Work conditions can greatly effect glove durability; inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:

No protection is ordinarily required under normal conditions of use.

**Eye Protection:** If contact is likely, safety glasses with side shields are recommended.

**Skin and Body Protection:** Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**Specific Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

**ENVIRONMENTAL CONTROLS:** See Sections 6, 7, 12, 13.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

**Physical State:** Liquid - may have color

**Odor:** Petroleum odor

**pH:** NA

**Vapor Pressure:** <0.01 mmHg @ 37.8°C (100°F)

**Vapor Density (Air = 1):** >1

**Boiling Point:** >315.6°C (600°F)

**Solubility:** Soluble in hydrocarbons; insoluble in water

**Specific Gravity:** 0.87 - 0.9 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

**Viscosity:** 6.6 cSt - 19.6 cSt @ 100°C (212°F) (Min)

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable under normal conditions.

**CONDITIONS TO AVOID:** Excessive heat. High energy sources of ignition.

**MATERIALS TO AVOID:** Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Material does not decompose at ambient temperatures.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Route of Exposure	Conclusion / Remarks
<b>Inhalation</b>	
Toxicity (Rat): LC50 > 5000 mg/m3	Minimally Toxic. Based on test data for structurally similar materials.
Irritation: No end point data.	Negligible hazard at ambient/normal handling temperatures. Based on assessment of the components.
<b>Ingestion</b>	
Toxicity (Rat): LD50 > 2000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
<b>Skin</b>	
Toxicity (Rabbit): LD50 > 2000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Irritation (Rabbit): Data available.	Negligible irritation to skin at ambient temperatures. Based on test data for structurally similar materials.
<b>Eye</b>	
Irritation (Rabbit): Data available.	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials.

### CHRONIC/OTHER EFFECTS

#### For the product itself:

Engine oils: Not carcinogenic in animals tests. Used and unused engine oils did not produce any carcinogenic effects in chronic mouse skin painting studies.

Oils that are used in gasoline engines may become hazardous and display the following properties: Carcinogenic in animal tests. Caused mutations in vitro. Possible allergen and photoallergen. Contains polycyclic aromatic compounds (PAC) from combustion products of gasoline and/or thermal degradation products.

#### Contains:

Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests. Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition and minimal granuloma formation. Not sensitizing in test animals.



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The following ingredients are cited on the lists below: None.

--REGULATORY LISTS SEARCHED--

1 = NTP CARC  
2 = NTP SUS

3 = IARC 1  
4 = IARC 2A

5 = IARC 2B  
6 = OSHA CARC

## 12. ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

### ECOTOXICITY

Material -- Not expected to be harmful to aquatic organisms.

### MOBILITY

Base oil component -- Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

### PERSISTENCE AND DEGRADABILITY

**Biodegradation:** Base oil component -- Expected to be inherently biodegradable

### BIOACCUMULATION POTENTIAL

Base oil component -- Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability

## 13. DISPOSAL INFORMATION

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

### DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

### REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

Empty Container Warning PRECAUTIONARY LABEL TEXT: Empty containers may retain residue 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. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations

## 14. TRANSPORTATION INFORMATION

LAND (DOT) : Not Regulated for Land Transport  
LAND (TDG) : Not Regulated for Land Transport  
SEA (IMDG) : Not Regulated for Sea Transport according to IMDG-Code  
AIR (IATA) : Not Regulated for Air Transport

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## 15. REGULATORY INFORMATION

**OSHA HAZARD COMMUNICATION STANDARD:** When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

**EINECS** All components listed or polymer exempt.  
**DSL** All components listed.  
**TSCA** All components listed.  
**SARA Hazard Categories (311/312):** No SARA 311/312 Hazards.

### State Regulatory Status

#### California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. DISCLAIMER

**REVISION STATEMENT:** Revision updates may be in many sections and the MSDS should be read in its entirety. Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by Champion LLC, 1001 Golden Drive, Clinton, Missouri 64735.

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