

# Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System Date of Revision: 02/06/2020 Revision: 02

# **Section 1 - Chemical Product and Company Identification**

- 1.1 Product Name: VP Traditional Non-Synthetic SAE 60 Racing Oil
- 1.2 Synonym: Blend
- 1.3 VP Racing Fuels, Inc., 7124 Richter Road, Elmendorf, TX 78112, 210.635.7744
- **1.4** Recommended Use: Racing and Classic Car use in Gasoline, Methanol, Alcohol and Nitro-methane engine application
- 1.5 RESTRICTIONS on USE Gasoline Engines with Catalytic Converters
- 1.6 Emergency Response Number: CHEMTREC 800-424-9300.

International Emergency Telephone Number: +1-703-527-3887.

1.7 See Section 16.3 for CHEMTRC in Country Emergency Numbers.

#### **Section 2 - Hazards Identification**

# 2.1 GHS HAZARD

**Hazard Classes** 

**Hazard Categories** 

Eye Irritation
Skin Irritation
Harmful to Aquatic Life Long Lasting Effects

Category 2A Category 2 Category 3

2.2 Signal Word: Danger



2.4 Hazard Statements

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PHYSICAL HAZARDS: None

HEALTH HAZARDS H315: Causes skin irritation.

H319: Causes serious eye irritation.

ENVIRONMENTAL HAZARDS: H412: Harmful to aquatic life with long-lasting

effects.

PRECAUTIONARY STATEMENTS: P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling. P273 Avoid release into the environment.

P280: Wear protective gloves, clothing, and eye

protection.

RESPONSE STATEMENTS: P302+P352: IF ON SKIN. Wash skin with plenty

of water.

P305+P351: IF IN EYES. Rinse cautiously with water for at least 15 minutes. If present, remove

contact lenses if easy to do so.

P332+P337+P313: If skin or eye irritation

persists, get medical attention.

P362+P364: Take off contaminated clothing and

wash them before use.

STORAGE STATEMENTS: None

DISPOSAL STATEMENTS: P501: Dispose of content and/or container in

accordance with local, regional, national or

international regulations.

**2.5** Hazards not otherwise classified (HNOC) or not covered by GHS Repeated exposure may cause skin dryness or cracking.

# **Section 3 - Composition / Information on Ingredients**

#### 3.1

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CAS#	EC#	Chemical Names	Percent	Classification
N/A		VP Traditional Non-Synthetic Racing Oil with Additive	100 %	None

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#### 3.2 Blend Contains

Chemical Names	CAS#	EC/List#	Classification
Zinc Alkyl dithiophosphate	84605-29-8	283-392-8	Skin Irrit. 2 H315, Eye Irrit. 2A
			H319, Aquatic Chronic H412
*Mineral oil	Not determined		Carb. 1B H350
Soybean oil	8001-22-7	232-274-4	Eye Irrit. 2A H319
Molybdenum	72030-25-2	615-708-0	Not Classified
Hydrotreated, heavy naphthenic	64742-52-5	265-155-0	Carb. 1B H350
distillate			
Heavy paraffinic oil	64742-54-7	265-157-1	Carb. 1B H350
Residual oils (petroleum), solvent-	64742-62-7	265-166-0	Carb. 1B H350
dewaxed			

**\*NOTE:** The mineral oil contained in this blend may be described by one or more of the following CAS Nos.: 64742-54-7, 64742-65-0, 64742-55-8,64742-53-6 and 64742-56-9.

**3.3** Trade Secret Provision and Chemical Concentration Disclosure: Per OSHA and GHS Regulations, we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a blend and apply to the hazards as identified in this Safety Data Sheet.

### **Section 4 - First Aid Measures**

**4.1 Eye:** Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**4.2 Skin:** Contact can cause skin irritation.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately and wash clothing before reuse.

**4.3** Ingestion: Causes headache, gastrointestinal pain, nausea.

Ingestion: Do NOT induce vomiting. Get medical aid immediately.

**4.4 Inhalation:** Can produce headaches, dizziness, nausea, and impaired vision.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

- **4.5** After first aid, get appropriate paramedic, or community medical support. The severity of outcome following exposure may be more related to the time between exposure and treatment, rather than the amount of the exposure. Therefore, there is a need for rapid treatment of any exposure.
- 4.6 Note to Physicians: If you determine that a medical emergency exists and the specific chemical identity is necessary for emergency or first-aid treatment, we will immediately disclose the specific chemical identity. Call CHEMTREC 800-424-9300 or 703-527-3887. We will require a written statement of need and confidentiality agreement, per OSHA's Trade Secret Regulations as soon as circumstances permit. In non-emergency situations, we will, upon written request, disclose a specific chemical identity.

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## **Section 5 - Fire-Fighting Measures**

- **5.1 General Fire Hazards:** Use water to cool containers exposed to fire.
- **5.2 Hazardous Combustion Products:** Avoid fumes of burning products.
- **5.3 Extinguishing Media:** Carbon dioxide, dry chemical, foam.
- **5.4** Fire Fighting Equipment/Instructions: Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

#### **Section 6 - Accidental Release Measures**

- 6.1 Spill /Leak Procedures: Avoid breathing vapors
- **6.2 Spills:** Contain and collect spillage with absorbent material such as sand, earth, vermiculite, or diatomaceous earth and place in a container for disposal.

### **Section 7 - Handling and Storage**

- **7.1 Handling Precautions:** Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid ingestion and contact with eyes, skin, or clothing. Keep the container tightly closed. Avoid inhalation.
- **7.2 Storage Requirements:** Store in a tightly closed container.

# **Section 8 - Exposure Controls / Personal Protection**

8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
VP Traditional Non-Synthetic Racing Oil with Additive	5mg/m3 TWA	5mg/m3 TWA
Additive		

8.2

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

**NOTE: TWA Means** "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour workweek which shall not be exceeded.

- **8.3 Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
- **8.4 Contaminated Equipment:** Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

#### 8.5 Personal protective equipment

**8.5.1** Respiratory protection

Where risk assessment shows, air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied-air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**8.5.2** Hand protection

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Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011** or European EN374 Standard.

Full contact: Viton Splash contact: Viton

Registered trademark of The Chemours Company FC, LLC.

#### **8.5.3** Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### 8.5.4 Skin and body protection

Impervious clothing flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### 8.6 Protective Clothing Pictograms









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## **Section 9 - Physical and Chemical Properties**

9.1

Physical State: Liquid
Appearance: Amber

Odor: Aromatic Hydrocarbon Vapor Pressure: 45 mmHg@21°C Vapor Density (Air=1): Not Available Specific Gravity (H<sub>2</sub>O=1,): Not Available

Relative Density: Not Available Odor Threshold: Not Available

Flammability (solid, gas): Not Applicable

Evaporation rate: Not Available

Partition coefficient octanol/water: Not Available

Water Solubility: Insoluble

Flash Point: 426°F, 219 °C close cup

Boiling Point: 777 °F, 414 °C

Freezing/Melting Point: Not Available

**LEL:** Not Applicable **UEL:** Not Applicable

Viscosity: Kinematic 43-118 cm2/s104°F,40°C Autoignition Temperature: Not Available Decomposition temperature: Not Available

pH: None

## Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under ordinary conditions of use and storage.

**10.2 Polymerization:** Hazardous polymerization has not been reported.

**10.3** Chemical Incompatibilities: Strong oxidizing agents.

**10.4 Hazardous Decomposition Products:** Combustion produces carbon monoxide and carbon dioxide.

**10.5** Conditions to Avoid: Avoid heat, sparks open flames, and other ignition sources.

# **Section 11- Toxicological Information**

11.1

Acute Toxicity Estimate for this blend (ATE)

ATE (Oral): >2000 mg/kg ATE (Dermal): >2000 mg/kg

ATE (Inhalation vapor/mist): >20 mg/l

- **11.1.1** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Oral Toxicity.
- **11.1.2** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Dermal Toxicity.
- **11.1.3** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Inhalation Toxicity.
- 11.2 Route of Entry: Skin and Eye Contact
- **11.3 Aspiration Hazard:** European Chemical Agency Data Base shows that no components of this product may be fatal if swallowed and enters airways.
- **11.4 Mutagenicity:** OECD Guideline Test results found in the European Chemical Agency DataBase show no components of this product to cause genetic defects.

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- **11.5** Skin Corrosion/Irritation: OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause skin irritation. Repeated exposure may cause skin dryness or cracking.
- **11.6 Serious Eye Damage/Irritation:** OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause eye irritation.
- **11.7 Reproductive toxicity:** OECD Guideline Test results found in the European Chemical Agency DataBase show no components of this product to cause damage to fertility or the unborn child.
- **11.8** Skin Sensitization OECD Guideline Tests results found in the European Chemical Agency DataBase show no components of this product to cause skin sensitivity.
- **11.9** Respiratory Sensitization OECD Guideline Tests results found in the European Chemical Agency DataBase show no components of this product to cause respiratory sensitivity.
- **11.10** Specific Target Organ Toxicity (Single Exposure): Contains material which may cause damage to the following organs: Eyes and skin.
- **11.11 Target Organ Toxicity (Repeated Exposure):** Contains material which may cause damage to the following organs: Eyes and skin.
- **11.12 Signs and Symptoms:** Effects may include: Headache, Dizziness, Drowsiness. Symptoms may be delayed.
- **11.13** Carcinogenicity: OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause cancer, however, by test contains <3% DMSO extract per IP346 and is not considered to cause cancer.

Chemical Name	IARC	ACGIH	NTP	OSHA
VP Traditional Non-Synthetic Racing Oil with Additive	Not listed	Not listed	Not listed	Not listed

# Section 12 - Ecological Information

#### 12.1

Product Name	Results	Species	Exposure
VP Traditional Non-Synthetic Racing Oil with Additive	It is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the environment		

**Toxicity:** OECD Guideline Test results found in the European Chemical Agency DataBase show components of this product to cause long-term toxicity to aquatic life.

**12.2 Mobility:** Floats on water

**12.3** Persistence/degradability: Inconclusive technical data.

12.4 Bioaccumulation: Inconclusive technical data.

12.5 Other adverse effects: Inconclusive technical data

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### **Section 13 - Disposal Considerations**

**13.1 Disposal: DO NOT REUSE EMPTY CONTAINER!** The container should be emptied before discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

### **Section 14 - Transport Information**

14.1 US Transport Information Not regulated

**14.2 IMDG Transport Information Not regulated** 

**14.3** UN Dangerous Goods Transport Information Not regulated

### **Section 15 - Regulatory Information**

15.1 US Regulations

**US. Toxic Substances Control Act**: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

**Toxic Release Inventory (TRI):** This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372):

CAS Number	Chemical Name	Chemical percentage by weight not exceeding
108-88-3	Toluene	At demines% limits
91-20-3	Naphthalene	At demines% limits

CERCLA Hazardous Substances and corresponding RQs: Toluene 1000 lbs. Naphthalene 10 lbs.

SARA Community Right-to-Know Program: All components of this blend.

Clean Water Act: None

Clean Air Act: None

OSHA: All ingredients are regulated by 29 CFR 1910.1200

**State Regulations** 

California prop. 65:

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WARNING-Cancer and Reproductive Harm - www.P65Warnings.ca.gov."

Chemicals on the following State Right to Know Lists:

**Massachusetts:** All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements

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**New Jersey** All components of this product are on the New Jersey inventory or are exempt from Inventory requirements

**Pennsylvania:** All components of this product) are on the Pennsylvania Inventory or are exempt from Inventory requirements.

#### 15.2 International Regulations:

**Australian Inventory of Chemical Substances:** All components of this product are on the Inventory or are exempt from Inventory requirements.

**National Existing Chemical Inventory in Taiwan:** All components of this product are on the Inventory or are exempt from Inventory requirements.

**Philippine Inventory of Chemicals and Chemical Substances** All components of this product are on the Inventory or are exempt from Inventory requirements.

**China Existing Chemical Inventory:** All components of this product are on the Inventory or are exempt from Inventory requirements.

#### **Section 16 - Other Information**

**16.1** Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

**16.2** References: CHEMpendium database of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller online, European Chemical Agency DataBase Chinese Data Base Classification Labeling of Hazardous Chemicals, Australia Data Base for GHS Chemical Classification and MSDS and SDS of chemicals in this blend.

16.3 CHEMTREC in-country emergency dial numbers

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AMERICAS							
CHEMTREC Argentina (Buenos Aires)	+(54)-1159839431		Latin American Spanish				
CHEMTREC Brazil (Rio De Janeiro)	+(55)-2139581449		Portuguese				
CHEMTREC Cayman Islands	+(1)-345-749-8392		English				
CHEMTREC Chile (Santiago)	+(56)-225814934		Latin American Spanish				
CHEMTREC Colombia *		01800-710-2151	Latin American Spanish				
CHEMTREC Costa Rica*	+(506)-40003869		Latin American Spanish				
CHEMTREC Mexico*		01-800-681-9531	Latin American Spanish				
CHEMTREC Panama	+(507)-8322475		Latin American Spanish				
CHEMTREC Peru (Lima)	+(51)-17071295		Latin American Spanish				
CHEMTREC Trinidad and Tobago*	+(1)-868-224-5716		English				

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#### 16.3 CHEMTREC in-country emergency dial numbers continued

MIDDLE EAST							
CHEMTREC Bahrain (Bahrain)	+(973)-16199372		Arabic				
CHEMTREC Israel (Tel Aviv)	+(972)-37630639		Hebrew				
CHEMTREC Saudi Arabia*	+(966)-8111095861		Arabic and English				
CHEMTREC Kuwait National	+965-22274681		Arabic and English				
	SUB SAHARAN AI	FRICA					
CHEMTREC South Africa*		0-800-983-611	English				
	EAST ASIA	_					
CHEMTREC Hong Kong (Hong Kong)*		800-968-793	Cantonese				
CHEMTREC Japan (Tokyo)	+(81)-345209637		Japanese				
CHEMTREC South Korea*		00-308-13-2549	Korean				
CHEMTREC South Korea	+(82) 070-7686-0086		Korean				
CHEMTREC Taiwan*		00801-14-8954	Mandarin				
	SOUTHEAST A	SIA					
CHEMTREC Indonesia*		001-803-017-9114	Indonesian				
CHEMTREC Malaysia *		1-800-815-308	Malay				
CHEMTREC Malaysia (Kuala Lumpur)	+(60)-327884561		Malay				
CHEMTREC Philippines *		1-800-1-116-1020	Tagalog				
CHEMTREC Philippines (Manila)	+(63) 2-395-3308		Tagalog				
CHEMTREC Singapore*		800-101-2201	English and Mandarin				
CHEMTREC Singapore	+(65)-31581349		English and Mandarin				
CHEMTREC Thailand *		001-800-13-203-9987	Thai				
CHEMTREC Vietnam (Hanoi)*	+(84)-444581938		Vietnamese				
	SOUTH ASIA						
CHEMTREC Bangladesh††	N/A	N/A	Bengali				
CHEMTREC India *		000-800-100-7141	Hindi				
AUSTRALIA & OCEANIA							
CHEMTREC Australia (Sydney)	+(61)-290372994		English				
CHEMTREC New Zealand	+(64)-98010034		English				
(Auckland)*	+(64)-98010034		Euglish				
*Phone numbers for countries marked with an asterisk must be dialed within the country							
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†† Phone numbers marked with a	double dagger have a DID	and greeting ONLY supp	lied by CHEMTREC				

**16.4 SDS Preparation Date** 08/10/2018

**SDS Previous Issue Date:** None

SDS Revision Date: 02/24/2019 Sections Revised 3,12,16

**SDS Revision Date:** 02/06/2020 Sections Revised 2,8,11,13,15,16

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### VP CLASSIC/TRADITIONAL/NITRO NON-SYNTHETIC RACING OILS

**VP Classic Non-Synthetic Racing Oils** are formulated using high quality mineral base stocks and a select balance of additives to deliver superior film strength, shear stability and wettability of critical engine parts while running or idle. They contain enhanced levels of ZDDP and an anti-foam additive for added wear protection, as well as, a strong detergent dispersant package to minimize engine deposits and oil thickening.

VP Classic Non-Synthetic Racing Oils exhibit excellent oxidative stability and wear protection for flat tappet and roller cams. The oils are formulated to exceed the stringent requirements of highly stressed, high performance racing and street engines and provide outstanding shock load and high temperature protection to highly stressed engine parts. In addition, the oils provide an aggressive layer of film protection that reduces friction, lowers operating temperature, increases horsepower and provides outstanding wear protection. Do NOT mix oil additive supplements with this product. It is not designed to be used with catalytic converters.

**VP Classic Non-Synthetic Racing Oil SAE 30** is suitable for use in most air-cooled, naturally aspirated, turbocharged or supercharged gasoline engines in high performance racing and street applications. They are designed to protect older style push rods and both flat tappet or roller cams.

**VP Traditional Non-Synthetic Racing Oil SAE 50** is designed for use in high performance competition engines including racing, drag racing and tractor pulling fueled by gasoline, diesel, alcohol or nitromethane where a SAE 50 is recommended.

VP Traditional Non-Synthetic Racing Oil SAE 60 is designed for use in high performance competition engines under extreme load, torque and high temperature conditions including racing, drag racing and tractor pulling fueled by gasoline, diesel, alcohol or nitromethane where a SAE 60 is recommended. In addition, the SAE 60 is well suited for the needs of the early classic motorcycle engines including Harley Davidson® (Flathead®, Panhead®, Knucklehead® and Shovelhead®) and others.

**VP Nitro Hi Performance Racing Oil SAE 70** is designed for use in high performance competition engines under extreme load, torque and high temperature conditions including racing, drag racing and tractor pulling fueled by gasoline, diesel, alcohol or nitromethane where a SAE 70 is recommended. The high viscosity oil allows for excessive blow-by into the oil while maintaining critical film protection to engine parts.

**VP Classic Non-Synthetic Racing Oil SAE 10W-30 and 20W-50** are multi-viscosity oils designed for turbocharged and non-turbocharged gasoline race and street engines (without catalytic converter) including dirt, mud, drag and classic car applications where a SAE 10W-30 or 20W-50 is recommended.





#### **TYPICAL PROPERTIES**

# VP Classic/Traditional/Nitro Non-Synthetic Racing Oils

Product Number	2681 (QT.)	2685 ( QT.)	2687 (QT.)	2689 (QT.)	2678 (QT.)	2691 (QT.)	Test Method
SAE Grade	30	50	60	70	10W-30	20W-50	N/A
Viscosity@40°C, cSt	82	208	269	414	63	164	ASTM D445
Viscosity@100°C, cSt	11.0	19.7	23.1	30.1	10.1	18.5	ASTM D7042
Viscosity Index (VI)	121	109	106	102	146	127	Calculated
Specific Gravity @ 60°F	0.88	0.89	0.90	0.90	0.88	0.89	Calculated
API Gravity	28.8	26.8	26.2	25.4	29.6	27.6	Calculated
Cold Cranking Simulation, cP	N/A	N/A	N/A	N/A	<7000 (-25 <sub>0</sub> C)	<9500 (-15 <sub>0</sub> C)	ASTM D5293
HTHS @ 150°C, cP	>2.9	>3.7	>3.7	>3.7	>2.9	>3.7	ASTM D7109
Flash Point, °C	>200	>230	>240	>240	>170	>200	ASTM D92
Pour Point, °C	<-10	<-10	<-10	<-5	<-30	<-20	ASTM D97
Color	L4.0	L4.5	L5.0	L6.0	L4.0	L5.0	N/A
TBN, mgKOH/g	2.6	2.6	2.6	2.6	2.6	2.6	ASTM D2896
Sulfated Ash, %wt	0.3	0.3	0.3	0.3	0.3	0.3	Calculated
Zinc, ppm	1730	1710	1730	1720	1740	1720	ASTM D5185
Phosphorus, ppm	2145	2125	2145	2140	2160	2130	ASTM D5185
Molybdenum, ppm	800	800	800	800	800	800	ASTM D5185

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

#### Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS).