



Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns with the United Nations Globally Harmonized System
Date of Revision: 11/01/2022 Revision: 01

Section 1 - Chemical Product and Company Identification

- 1.1 Product Name: **VP Nitro Hi-Performance Racing Motor Oil SAE 70**
1.2 Synonym: Blend
1.3 VP Racing Fuels, Inc., 7124 Richter Road, Elmhendorf, TX 78112, 210.635.7744
1.4 Recommended Use: Racing Engines using Gasoline, Methanol, Alcohol, and Nitromethane
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 CHEMTREC in Country Emergency Numbers.

Section 2 - Hazards Identification

2.1 GHS HAZARD

Hazard Classes

Hazard Categories

Eye Irritation
Skin Irritation
Skin Sensitisation
Harmful to Aquatic Life Long Lasting Effects

Category 2A
Category 2
Category 1B
Category 3

2.2 Signal Word: **Warning**

2.3 Pictograms:



Irritant



Keep away from children

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2.4 Hazard Statements

PHYSICAL HAZARDS:	None
HEALTH HAZARDS	H315: Causes skin irritation. H317: May cause an allergic skin reaction. 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. P261: Avoid breathing vapor and mist. P264: Wash hands thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release into the environment. P280: Wear protective gloves, clothing, and eye protection.
RESPONSE STATEMENTS:	P302+P352: IF ON SKIN. Wash your 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. P313+P332+P337: if skin or eye irritation persists, get medical attention. P313+P333: If skin irritation or rash occurs. Get medical attention. P362+P364: Take off contaminated clothing and wash it before use.
STORAGE STATEMENTS:	None.
DISPOSAL STATEMENTS:	P501: Dispose of content and container following 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

Chemical Names	CAS#	EC/List#	Percentage	Classification
Residual oils (petroleum), solvent-dewaxed	64742-62-7	265-166-0	75-80	Carc. 1B H350
*Mineral oil	Not determined		16-21	Carc. 1B H350
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	274-263-7	1-2	Skin Sens. 1B H317

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Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts	68649-42-3	272-028-3	0.8-1.1	Skin Irrit. 2 H315, Eye Irrit. H319, Aquatic Chronic 2 H411
Molybdenum	72030-25-2	615-708-0	0.6-0.9	Not Classified
Distillates (petroleum), solvent-dewaxed heavy paraffinic, clay-treated	90640-94-1	292-616-3	0.3-0.6	Carc. 1B H350

***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: Following OSHA and GHS Regulations, we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a range and apply to the hazards identified in this Safety Data Sheet.

Section 4 - First Aid Measures

4.1 Description of first aid measures

General information: Ensure medical personnel knows the material(s) involved and take precautions to protect themselves.

Following Inhalation: Remove the victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

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

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

Following ingestion: Do NOT induce vomiting. Get medical aid immediately.

4.2 Most important symptoms and effects, both acute and delayed:

4.2.1: 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.

4.2.2: Prolonged and repeated liquid contact with the skin can cause defatting and drying and lead to irritation and dermatitis.

4.2.3: Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting leading to central nervous system depression. Aspiration of liquid into the lungs must be avoided as even small quantities can produce chemical pneumonia, pulmonary edema, and even death.

4.2.4: Prolonged breathing of high vapor concentrations can produce headaches, dizziness, nausea, and impaired vision. Excessive overexposure can cause central nervous system depression, loss of consciousness, liver damage, and death resulting from respiratory failure.

4.3 Indication of any immediate medical attention and special treatment needed: The severity of outcome following exposure may be related to the time between the exposure and treatment rather than the amount of the exposure. Therefore, there is a need for rapid treatment of any exposure.

Note to Physicians: If you determine that a medical emergency exists. The specific chemical identity is necessary for emergency or first-aid treatment and will be immediately disclosed the specific chemical identity. Call CHEMTREC 800-424-9300 or +1-703-527-3887. We will require a written statement of need and confidentiality

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agreement as soon as circumstances permit. In non-emergency situations, we will, upon written request, disclose a specific chemical identity.

Section 5 - Fire-Fighting Measures

General fire hazards: Not flammable.

5.1 Extinguishing media:

Suitable extinguishing media: Water fog. Alcohol-resistant foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media: Do not use a water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture: Vapors may form explosive mixtures with air. Vapors may travel a considerable distance to a source of ignition and flashback. During a fire, gases hazardous to health may be formed.

5.3 Advice for firefighters: Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

5.4 Additional information: Do not release runoff from fire to sewers or waterways.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures:

6.1.1 For non-emergency personnel: Keep unnecessary personnel away. Keep people away from and upwind of spills and leaks. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

6.1.2 For emergency responders: Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

6.2 Environmental precautions: Avoid direct contact with the material. Stop leak if without risk. Move containers from the spill area. Prevent entry into sewers or waterways.

6.3 Methods and material for containment and cleaning up:

6.3.1 For containment: The product is immiscible with water and will spread on the water's surface. Prevent entry into waterways, sewers, basements, or confined areas.

6.3.2 For clean up:

6.3.2.1 Small spill; Absorb with earth, sand, or other non-combustible material and transfer to containers for later disposal. Clean the surface thoroughly to remove residual contamination.

6.3.2.2 Large spill: Stop the material flow if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place it into a container for later disposal. Following product recovery, flush the area with water.

6.3.3 Other information: Never return spills to original containers for reuse. Put material in suitable, covered, labeled containers.

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6.4 Reference to other sections: See section 8 of the SDS for personal protection. For waste disposal, see section 13 of the SDS.

Section 7 - Handling and Storage

7.1 Precautions for safe handling: Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Avoid contact with eyes. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Launder contaminated clothing before reuse. Avoid release to the environment. Observe good industrial hygiene practices.

7.2 Conditions for safe storage, including incompatibilities: Store locked up in a cool, dry, well-ventilated place out of direct sunlight. Store in a tightly closed container. Store in a. Store away from incompatible materials (see section 10).

7.3 Specific end use(s): Racing Engine Oil

Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Residual oils (petroleum), solvent-dewaxed	None shown	None shown
Mineral oil	5mg/m3 TWA	5mg/me TWA
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	5mg/m3 TWA	5mg/me TWA
Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts	None shown	None shown
Molybdenum	10mg/m3 TWA	10mg/m3 TWA
Distillates (petroleum), solvent-dewaxed heavy paraffinic, clay-treated	None shown	None shown

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 them 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 that air-purifying respirators are appropriate, use a full-face respirator with a multi-purpose 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

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.

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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



Splash Goggles



Gloves



Protective Apron



Vapor Respirator

Section 9 - Physical and Chemical Properties

9.1

Physical State: Liquid

Appearance: Amber

Odor: Aromatic Hydrocarbon

Vapor Pressure: Not Available

Vapor Density (Air=1): Not Available

Specific Gravity (H₂O=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 c.c, Estimated

Boiling Point: 777 °F, 414 °C Estimated

Freezing/Melting Point: Not Available

LEL: Not Applicable

UEL: Not Applicable

Viscosity: Kinematic 43-118 mm²/s_{104°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)

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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 Database show that no components of this product cause Harmful Oral Toxicity.

11.1.2 OECD Guideline Test results found in the European Chemical Agency Database show that no components of this product cause Harmful Dermal Toxicity.

11.1.3 OECD Guideline Test results found in the European Chemical Agency Database show that no components of this product cause Harmful Inhalation Toxicity.

11.2 Route of Entry: Skin Contact

11.3 Aspiration Hazard: European Chemical Agency Database shows that components of this product may be fatal if swallowed and enters the airways. However, the viscosity is >20.5mm²/s.

11.4 Mutagenicity: OECD Guideline Test results found in the European Chemical Agency Database show no components of this product cause genetic defects.

11.5 Skin Corrosion/Irritation: OECD Guideline Test results found in the European Chemical Agency Database show that components of this product 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 Database show that this product's components will not cause eye irritation. However, it can still irritate your eyes.

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 Test results found in the European Chemical Agency Database show no components of this product cause skin sensitivity.

11.9 Respiratory Sensitization, OECD Guideline Test 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 that may cause damage to the following organs: Eyes and skin.

11.11 Target Organ Toxicity (Repeated Exposure): Contains material that may cause damage to the following organs: Eyes and skin.

11.12 Signs and Symptoms: Effects may include: Headache, Dizziness, and Drowsiness. Symptoms may be delayed.

11.13 Carcinogenicity: OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause cancer; however, by test contains <3% DMSO extract per IP346 and is not considered to cause cancer.

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Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Residual oils (petroleum), solvent-dewaxed	EC50 1000 mg/l	Daphnia	48 hours
Mineral Oil	LC50 5000 mg/l	Fish	96 hours
Mineral Oil	EC50 1000 mg/l	Daphnia	48 hours
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	LC50 10000 mg/l	Fish	96 hours
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	EC50 1000 mg/l	Daphnia	48 hours
Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts	LL/EL/IL 100 mg/l	Fish	96 hours
Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts	LL/EL/IL 100 mg/l	Daphnia	48 hours
Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts	LL/EL/IL 100 mg/l	Algae	96 hours
Molybdenum Complexes	None shown		
Distillates (petroleum), solvent-dewaxed heavy paraffinic, clay-treated	None shown		

Toxicity: OECD Guideline Test results found in the European Chemical Agency Database show components of this product cause harmful 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

Section 13 - Disposal Considerations

13.1 Disposal: DO NOT REUSE EMPTY CONTAINER! The container should be completely emptied before being discarded. 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

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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 doesn't contain chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372):

CERCLA Hazardous Substances and corresponding RQs: None

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

This product doesn't expose you to chemicals known to the State of California that cause cancer, birth defects, or other reproductive harm. For more information, go to 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

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 in the Inventory or are exempt from Inventory requirements.

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

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

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

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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 failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall determine the product's suitability for their particular purpose and assume the risk of its use.

16.2 References: CHEMpendium database of Canadian Centre for Occupational Health and Safety (CCOHS), and MSDS and SDS of chemicals in this blend.

16.3 CHEMTREC in-country emergency dial numbers:

Country	Greeting Language	City	Local Number	Toll-Free number
Argentina	Latin American Spanish	Buenos Aires	54-1159839431	
Brazil	Portuguese	Rio De Janeiro	55-2139581449	
Brazil	Portuguese	Sao Paulo	55-1143491359	
Brazil - Toll-Free	Portuguese		0800 892 0479	0800 892 0479
Cayman Islands	English	Local (National)	345-749-8392	
Chile	Latin American Spanish	Santiago	56 2 2581 4934	
Colombia	Latin American Spanish		01800-710-2151	01800-710-2151
Costa Rica	Latin American Spanish		506-40003869	
Dominican Republic	Latin American Spanish	Santo Domingo	1 (829) 956-7588	
El Salvador	Latin American Spanish	San Salvador	503 2136 7633	
Grenada	English	St George	1 (473) 230-0165	
Guinea	French		224 660 71 03 00	
Mexico	Latin American Spanish		01-800-681-9531	01-800-681-9531

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Panama	Latin American Spanish		507-8322475	
Peru	Latin American Spanish	Lima	51-17071295	
Trinidad and Tobago	English	National Number	1-868-224-5716	

India	Hindi, Bengali, English		000-800-100-7141	000-800-100-7141
Indonesia	Indonesian		001-803-017-9114	001-803-017-9114
Israel	Hebrew	Tel Aviv	972-37630639	
Japan	Japanese	Tokyo	81-345209637	
Malaysia	Malay	Kuala Lumpur	60-392125794	1-800-815-308
Philippines	Tagalog	Manila	+63 2 8395 3308 and 1-800-1-116-1020	1-800-1-116-1020
Russia	Russian		8-800-100-6346	8-800-100-6346
Saudi Arabia	Arabic and English		966-8111095861	
Singapore	English and Mandarin		65-31581349	800-101-2201
South Korea	Korean			003-0813-2549 and 080-822-1374
Taiwan	Mandarin	Taipei	886-2-7741-4207	00801-14-8954
Thailand	Thai		001-800-13-203-9987	001-800-13-203-9987
India	Hindi, Bengali, English		000-800-100-7141	000-800-100-7141

Australia	English	Sydney	61-290372994	
New Zealand	English	Auckland	64-98010034	

South Africa	English	None	0-800—983-611	0-800—983-611
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16.4 SDS Preparation Date 06/22/2018

SDS Previous Issue Date: None

SDS Preparation Date 11/07/2022 Revised sections

Prepared by SJC Compliance Education, Inc.

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END OF SAFETY DATA SHEET



PRODUCT DATA SHEET

LUBRICANTS

VP HI-PERFORMANCE MOTOR OILS

VP HI-Performance Motor Oils are formulated using high quality synthetic blend base stocks and cutting-edge additive technology specifically designed for small block race engines and classic, historic, vintage, hot rod, street rod, muscle and other enthusiast applications. It is not for drag racing or professional racing applications. Do NOT mix oil additive supplements with this product. It is not designed to be used with catalytic converters.

VP HI-Performance Motor Oils exhibit excellent oxidative stability and wear protection, utilizing a unique inhibitor/anti-wear package based on ZDDP (Zinc Dialkyl Dithiophosphate). The **VP HI-Performance Motor Oils** provide excellent protection to flat tappet and roller cams and meets the performance requirements of API SN.

TYPICAL PROPERTIES

VP HI-Performance Motor Oils				
Product Number	2955 (QT.)	2965 (QT.)	2975 (QT.)	Test Method
SAE Grade	10W-30	10W-40	20W-50	N/A
Viscosity@40°C, cSt	58	85	123	ASTM D445
Viscosity@100°C, cSt	9.6	14.4	18	ASTM D7042
Viscosity Index (VI)	150	177	163	Calculated
Specific Gravity @ 60°F	0.86	0.86	0.86	Calculated
API Gravity	33.6	33.5	32.8	Calculated
Cold Cranking Simulation, cP	4800 (-25°C)	5075 (-25°C)	3240 (-15°C)	ASTM D5293
HTHS @ 150°C, cP	3.1	4.0	5.5	ASTM D7109
Flash Point, °C	> 200	> 200	> 200	ASTM D92
Pour Point, °C	< -30	< -25	< -30	ASTM D97
Color	Orange	Orange	Orange	N/A
TBN, mgKOH/g	7.8	7.8	7.8	ASTM D2896
Sulfated Ash, %wt	0.9	0.9	0.9	Calculated
Zinc, ppm	1315	1315	1315	ASTM 5185
Phosphorus, ppm	1200	1200	1200	ASTM 5185

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.



PRODUCT DATA SHEET

LUBRICANTS

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).