



Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System
Date of Revision: 02/07/2020 Revision: 03

Section 1 - Chemical Product and Company Identification

1.1 Product Name: Professional Grade Racing Oil SAE 0W-20,5W-30,10W-40,15W-50

1.2 Synonym: Blend

1.3 VP Racing Fuels, Inc., 7124 Richter Road, Elmhurst, TX 78112, 210.635.7744

1.4 Recommended Use: Professional Grade Racing Oil

1.5 RESTRICTIONS on USE None

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

Eye Irritation
Skin Irritation
Specific Target Organs single exposure
Specific Target Organs repeated exposure
Reproductive Toxicity
Toxic to Aquatic Life Long Lasting Effects

Hazard Categories

Category 2A
Category 2
Category 3
Category 2
Category 2
Category 2

2.2 Signal Word: Warning

2.3 Pictograms:



Health Hazard

Irritant

Aquatic Hazard

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Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System

2.4 Hazard Statements

PHYSICAL HAZARDS:	None
HEALTH HAZARDS	H316: Causes skin irritation. H319: Causes serious eye irritation. H361: Suspected of damaging fertility or the unborn child. H336: May cause drowsiness or dizziness. H373: May causes damage to organs through prolonged or repeated exposure.
ENVIRONMENTAL HAZARDS:	H411: Toxic to aquatic life with long-lasting effects
PRECAUTIONARY STATEMENTS:	P102: Keep out of reach of children P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood P260: Do not breathe mist. P270: Do not eat, drink, or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. 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:	P303+P361+353: IF ON SKIN. Take off immediately all contaminated clothing. Rinse skin with water. P304+ P340: IF INHALED. Remove person to fresh air and keep comfortable for breathing. P305+P351: IF IN EYES. Rinse cautiously with water for at least 15 minutes. If present, remove contact lenses if easy to do so. P308+P313: If exposed or concerned, get medical attention. P313+P332+P337: If skin or eye irritation occurs, get medical advice, P314: Get medical attention if you feel unwell. P391: Collect spillage.
STORAGE STATEMENTS:	P403+P235: Store in a well-ventilated place. Keep cool. P405: Store locked up.

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DISPOSAL STATEMENTS:

P501: Dispose of content and container per 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

CAS#	EC#	Chemical Names	Percent	Other Identifiers
N/A	N/A	Professional Grade Racing Oil fully synthetic oil with additives	100 %	None

3.2 Blend Contains

Chemical Names	CAS#	EC#	Classification
Zinc Alkyl dithiophosphate	84605-29-8	283-392-8	Skin Irrit. 2 H315, Eye Irrit. H319, Aquatic Chronic 2
Lubricant oil	64742-65-0	265-169-7	Carc. 1B H350
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	265-156-6	Carc. 1B H350
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	68037-01-4	500-183-1	Asp. Tox. 1 H304
Phenylmethane	108-88-3	203-625-9	Flam. Liq 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315 STOT SE 3 H336, Repr. 2 H361, STOT RE 2 H373
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	Asp. Tox. 1 H304
Molybdenum Complexes	7439-98-7	231-107-2	Not Classified
*Mineral Oil	N/A	N/A	Carc. 1B H350

*The mineral oil contained in this blend may be described by one or more of the following CAS numbers: 64742-54-7, 64742-65-0, 64742-55-8, 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.

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4.2 Skin: Contact can cause mild 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.

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 mist.

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.

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Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Professional Grade Racing Oil fully synthetic oil with additives	5mg/m3 TWA	5mg/m3 TWA

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 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.

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

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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 (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, 218.8 °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/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)

ATE (Oral): >2000 mg/kg

ATE (Dermal): >2000 mg/kg

ATE (Inhalation vapor/mist): >5 mg/l mist

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: Inhalation, Skin and Eye Contact

11.3 Aspiration Hazard: European Chemical Agency Data Base shows that components of this product may be fatal if swallowed and enters airways. However, the Viscosity is >20.5mm²/s @104°F 40°C.

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 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.

Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	It is expected to be toxic 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

Less than 5 Liters single package Not regulated

Greater than 5 Liters single package



ID No.: UN 3082

Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (Zinc Alkyl Dithiophosphate)

Hazard Class: 9

Packing Group: III

Marking: MARINE POLLUTANT when shipping ground greater than 119 gallons' single container or any quantity by water.

Label: Class 9

Placard: Class 9

14.2 IMDG Transport Information

Less than 5 Liters single package Not regulated

Greater than 5 Liters single package



ID No.: UN 3082

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc alkyl dithiophosphate)

Hazard Class: 9

Packing Group: III

MARINE POLLUTANT Name: Zinc Alkyl dithiophosphate

EmS Number: F-A, S-F

Marking: MARINE POLLUTANT

Label: Class 9

Placard: Class 9

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14.3 UN Dangerous Goods Transport Information
Less than 5 Liters single package Not regulated

Greater than 5 Liters single package



ID No.: UN 3082

Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (Zinc Alkyl Dithiophosphate)

Hazard Class: 9

Packing Group: III

Marking: MARINE POLLUTANT

Label: Class 9

Placard: Class 9

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	Phenylmethane	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 1910.1200

State Regulations

California prop. 65:



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

Chemicals on the following State Right to Know Lists:

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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 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 mixture.

16.3 CHEMTREC in-country emergency dial numbers:

CHEMTREC In-Country Dial Numbers	Local # Provided in Country	Toll Free in Country*	Greeting Language
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

16.3 CHEMTREC in country emergency dial numbers continued:

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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 AFRICA			
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 ASIA			
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 (Auckland)*	+ (64)-98010034		English
*Phone numbers for countries marked with an asterisk must be dialed within the country			
*Phone numbers for countries marked with an asterisk must be dialed within the country.			
†† Phone numbers marked with a double dagger have a DID and greeting ONLY supplied by CHEMTREC			

16.4 SDS Preparation Date 01/11/2017

SDS Previous Issue Date: None

SDS Revision Date: 06/07/2018 Revised Sections 1,5,8,11,12,14,15,16

SDS Revision Date: 02/07/2020 Revised Sections 2,8,11,13,15,16

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PRODUCT DATA SHEET

LUBRICANTS

VP PROFESSIONAL GRADE RACING OILS

VP Professional Grade Racing Oils are formulated using high quality Polyalphaolefin (PAO) synthetic base stocks and cutting edge additive technology delivering superior durability and friction control specifically designed for big and small block race engine applications. Cutting edge friction and viscosity modifier componentry provides superior friction control significantly reducing friction, increasing horsepower and lower operating temperature.

VP Professional Grade Racing Oils exhibit excellent oxidative stability and wear protection, utilizing a unique inhibitor/anti-wear package based on ZDDP (Zinc Dialkyl Dithiophosphate) and provides excellent protection to flat tappet and roller cams. Do NOT mix oil additive supplements with this product. It is not designed to be used with catalytic converters.

TYPICAL PROPERTIES

VP Professional Grade Racing Oils					
Product Number	2715 (QT.)	2725 (QT.)	2745 (QT.)	2755 (QT.)	Test Method
SAE Grade	0W-20	5W-30	10W-40	15W-50	N/A
Viscosity@40°C, cSt	43	55	83	118	ASTM D445
Viscosity@100°C, cSt	8.1	9.7	14.2	18.2	ASTM D7042
Viscosity Index (VI)	166	161	177	172	Calculated
Specific Gravity @ 60°F	0.85	0.85	0.85	0.86	Calculated
API Gravity	35	34.6	34.2	33.5	Calculated
Cold Cranking Simulation, cP	6100 (-35°C)	4950 (-30°C)	3500 (-25°C)	3350 (-20°C)	ASTM D5293
HTHS @ 150°C, cP	2.6	3.0	4.0	5.0	ASTM D7109
Flash Point, °C	> 200	> 200	> 200	> 200	ASTM D92
Pour Point, °C	< -40	< -40	< -40	< -35	ASTM D97
Color	Dark	Dark	Dark	Dark	N/A
TBN, mgKOH/g	2.6	2.6	2.6	2.6	ASTM D2896
Sulfated Ash, %wt	0.6	0.6	0.6	0.6	Calculated
Zinc, ppm	1990	2000	2000	2220	ASTM 5185
Phosphorus, ppm	1800	1810	1810	2000	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).