



Drive Clean Syn Blend Motor Oil

Drive Clean Syn Blend Motor Oil provides the ultimate protection and peak performance your vehicle deserves in today's demanding driving conditions. They meet the latest fuel economy requirements while exceeding car manufacturers' standards for wear control, piston deposits, oxidation protection, cleanliness, and emission system and seal compatibility.

Drive Clean Syn Blend Motor Oil is formulated with state-of-the-art additive technology and high quality synthetic and conventional base oils to provide outstanding engine protection under all types of driving conditions and temperature extremes. Available in SAE grades 10W-30, 5W-30 and 5W-20. Meets and exceeds new car warranty requirements as defined by ILSAC GF-5 standard and API Resource Conserving SN classification.

APPLICATIONS

Drive Clean Syn Blend Motor Oil is recommended for gasoline engines used in passenger cars, light trucks, sports utility vehicles, powerboats, and additional applications calling for an API SN or previous API "S" category oil is recommended.

FEATURES AND BENEFITS

- Superb wear protection
- Improved fuel economy performance and retention
- Advanced protection against thermal breakdown
- Highest level of high temperature deposit control
- Excellent for high-revving and turbocharged engines
- Exceeds GF-5 and SN specifications for oxidation control, wear control, cleanliness, sludge protection, and emission system and seal compatibility.

RECOMMENDED PERFORMANCE SPECIFICATIONS

- ILSAC GF-5
- API Resource Conserving SN and all previous "S" categories
- Chrysler MS 6395
- Ford WSS-M2C945-A (SAE 5W-20), WSS-M2C9456-A (SAE 5W-30)
- General Motors GM 6094M

PROPERTIES	DRIVE CLEAN SYN BLEND MOTOR OIL		
	SAE Viscosity Grade		
	5W-20	5W-30	10W-30
Gravity, °API	32.5	32.5	31.8
Flash Point, COC °C/°F	229/444	215/420	220/430
Pour Point, °C/°F	-39/-38	-36/-33	-28/-18
Viscosity cSt @ 40°C	47.4	62.7	67.7
Viscosity cSt @ 100°C	8.5	10.8	10.6
Viscosity Index	151	159	145
CCS Viscosity (mPa.s)	<6600@-30	<6600@-30	<7000@-25
Noack Volatility (%wt)	<15	<15	<15

Minor variations in test data are to be expected in normal manufacturing

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SECTION 1. PRODUCT IDENTIFIER

Product Name	Drive Clean Syn Blend Motor Oil (ILSAC GF-5/API SN)
Product Grades	SAE 5W-20, SAE 5W-30, SAE 10W-30
Relevant Uses	Passenger Car Engine Oil/Gasoline Engine Oil
Company Identification	Valley Pacific Petroleum Services 152 Frank West Circle, Suite 100 Stockton, CA 95206-4098 1-800-266-3782 www.vpps.net
Emergency Contact	CHEMTREC: 800-424-9300 or 703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture	Classification (GHS-US) Not Classified
Label Elements	GHS-US Labeling Hazard Pictograms (GHS-US): Not Classified Signal Word (GHS-US): Hazard Statements (GHS-US): None Required Precautionary Statements (GHS-US): P273 – Avoid release to the environment
Other Hazards	P501 – Dispose of contents/container in accordance with local, regional, national and international regulations. The mixture consists of substances capable of producing an aspirational hazard. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure, and even death.
Other hazards	None known.
Unknown Acute Toxicity (GHS-US)	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances Not applicable

Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Petroleum distillates, solvent dewaxed	(CAS No) 64742-65-0	75.75 – 95, 64 - 85	Not Classified
heavy paraffinic, Distillates, petroleum, hydrotreated heavy paraffinic	(CAS No) 64742-54-7	0 – 11, 10 - 17	Not Classified
Paraffin oils*	(CAS No) 8012-95-1	0 - 0.1, 0.1 - 1, 1 - 5	Not Classified
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	(CAS No) 68649-42-3	0.45 - 0.891	Aquatic Chronic 3, H402

*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

*More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

SECTION 4. FIRST AID MEASURES

Description of First Aid Measures	<p>General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.</p> <p>Skin Contact: Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.</p> <p>Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.</p> <p>Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.</p>
Most important symptoms and effects, both acute and delayed	<p>General: No known significant effects or critical hazards.</p> <p>Inhalation: Overexposure may be irritating to the respiratory system. Skin Contact: Repeated or prolonged skin contact may cause irritation. Eye Contact: Direct contact with the eyes is likely irritating.</p> <p>Ingestion: Ingestion is likely to be harmful or have adverse effects.</p> <p>Chronic Symptoms: No known significant effects or critical hazards.</p>
Indication of Any Immediate Medical Attention and Special Treatment Needed	<p>If you feel unwell, seek medical advice (show the label where possible).</p>



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SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	Do not use a heavy water stream. Use of heavy stream of water may spread fire.
Fire Hazard	Not flammable but will support combustion.
Explosion Hazard	Product is not explosive.
Reactivity	Hazardous reactions will not occur under normal conditions.
Precautionary Measures Fire	Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
Firefighting Instructions	Use water spray or fog for cooling exposed containers.
Protection During Firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products	Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.
Other Information	Refer to Section 9 for flammability properties.
Reference to Other Sections	Refer to section 9 for flammability properties.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).
For Non-Emergency Personnel	Protective Equipment: Use appropriate personal protection equipment (PPE). Emergency Procedures: Evacuate unnecessary personnel.
For Emergency Personnel	Protective Equipment: Equip cleanup crew with proper protection. Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.
Environmental precautions	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods and materials for containment and cleaning up	For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.
Reference to Other Sections	See Heading 8. Exposure controls and personal protection. For further information refer to section 13.



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SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for safe storage, including any incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Paraffin oils (8012-95-1)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen highly and severely refined, Suspected Human Carcinogen highly and severely refined
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³
USA IDLH	US IDLH (mg/m ³)	2500 mg/m ³
Alberta	OEL STEL (mg/m ³)	10 mg/m ³
Alberta	OEL TWA (mg/m ³)	5 mg/m ³
British Columbia	OEL TWA (mg/m ³)	0.2 mg/m ³ (mildly refined) 1 mg/m ³ (severely refined)
Manitoba	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
New Brunswick	OEL STEL (mg/m ³)	10 mg/m ³
New Brunswick	OEL TWA (mg/m ³)	5 mg/m ³ (as sampled by a method that does not collect vapor)
Newfoundland & Labrador	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)



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Paraffin oils (8012-95-1)		
Nova Scotia	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
Nunavut	OEL STEL (mg/m ³)	10 mg/m ³
Nunavut	OEL TWA (mg/m ³)	5 mg/m ³
Northwest Territories	OEL STEL (mg/m ³)	10 mg/m ³
Northwest Territories	OEL TWA (mg/m ³)	5 mg/m ³
Ontario	OEL TWA (mg/m ³)	5 mg/m ³ (pure, highly and severely refined, excluding metal working fluids-inhalable)
Prince Edward Island	OEL TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable fraction)
Québec	VECD (mg/m ³)	10 mg/m ³ (mist)
Québec	VEMP (mg/m ³)	5 mg/m ³ (mist)
Saskatchewan	OEL STEL (mg/m ³)	10 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	5 mg/m ³
Yukon	OEL STEL (mg/m ³)	10 mg/m ³
Yukon	OEL TWA (mg/m ³)	5 mg/m ³

Appropriate Engineering Controls Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing Chemically resistant materials and fabrics.

Hand Protection Wear chemically resistant protective gloves.

Eye Protection Chemical goggles or safety glasses.

Skin and Body Protection Wear suitable protective clothing.

Respiratory Protection Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls Do not allow the product to be released into the environment.

Consumer Exposure Controls Do not eat, drink or smoke during use.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Amber
Odor	Slight Hydrocarbon
Odor Threshold	Not available
pH	Not available
Evaporation Rate	Not available
Melting Point	Not available
Boiling Point	271 °C (520 °F)
Flash Point	232 °C (COC) (450 °F)
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Flammability (solid, gas)	Not available
Lower Flammable Limit	Not available
Upper Flammable Limit	Not available
Vapor Pressure	Not available
Relative Vapor Density at 20 °C	Not available
Relative Density	Not available
Specific Gravity	0.85
Solubility	Negligible
Partition Coefficient: N-Octanol/Water	Not available
Viscosity	Not available
Viscosity, Kinematic	50 mm ² /s @ 40 °C
Explosive Properties	Product is not explosive
Explosion Data – Sensitivity to Mechanical Impact	Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	Not expected to present an explosion hazard due to static discharge



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SECTION 10. STABILITY AND REACTIVITY

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical Stability	Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.
Incompatible Materials	Strong acids, strong bases, strong oxidizers.
Hazardous Decomposition Products	Thermal decomposition generates : carbon oxides (CO, CO ₂). Hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Not classified
LD50 and LC50 Data	Not available
Skin Corrosion/Irritation	Not classified
Eye Damage/Irritation	Not classified
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Teratogenicity	Not classified
Carcinogenicity	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity (Single Exposure)	Not classified
Aspiration Hazard	Not classified
Symptoms/Injuries After Inhalation	Overexposure may be irritating to the respiratory system.
Symptoms/Injuries After Skin Contact	Repeated or prolonged skin contact may cause irritation.
Symptoms/Injuries After Eye Contact	Direct contact with the eyes is likely irritating.
Symptoms/Injuries After Ingestion	Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms	Not Classified



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INFORMATION ON TOXICOLOGICAL EFFECTS - INGREDIENT(S)

LD50 and LC50 Data:

Paraffin oils (8012-95-1)	
LC50 Inhalation Rat	2062 ppm/4h
ATE US (gases)	2,062.00 ppmV/4h
Heavy paraffinic, Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 2 g/kg
Petroleum distillates, solvent dewaxed (64742-65-0)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 5 g/kg
Paraffin oils (8012-95-1)	
IARC Group	1

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY

Ecology - General Toxic to aquatic life.

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)	
LC50 Fish 1	1.0 - 5.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	1 - 1.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	10.0 - 35.0 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])
Petroleum distillates, solvent dewaxed (64742-65-0)	
EC50 Daphnia 1	> 1000 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Persistence and Degradability Not available

Bioaccumulative Potential Not available

Mobility in Soil Not available

Other Adverse Effects Other Information: Avoid release to the environment.



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SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Sewage Disposal Recommendations: Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains. Do not dispose of waste into sewer.

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14. TRANSPORT INFORMATION

In Accordance with DOT Not regulated for transport

In Accordance with IMDG Not regulated for transport

In Accordance with IATA Not regulated for transport

In Accordance with TDG Not regulated for transport

SECTION 15. REGULATORY INFORMATION

US Federal Regulations
SARA Section 311/312 Hazard
Classes Delayed (chronic) health hazard

US State Regulations

Paraffin oils (8012-95-1)

U.S. - California - Right To Know List – Warning: This material may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm, and which may be subject to the warning requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List



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Canadian Regulations

WHMIS Classification	Not Classified
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Paraffin oils (8012-95-1)	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
Petroleum distillates, solvent dewaxed (64742-65-0)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

SECTION 16. OTHER INFORMATION

Revision Date	05/16/2015
Other Information	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
GHS Full Text Phrases	H402 Harmful to aquatic life. P273 Avoid release into the environment. P501 Dispose of contents/container in accordance with local, regional, national, and international regulations.

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