Conforms to OSHA HCS 2012 (29 CFR 1910.1200)

SAFETY DATA SHEET

PETRON PLUS™ TRANSMISSION & GEARBOX SUPPLEMENT

Part No. 12123-12oz, 12123-1g, 12123-5g, 12123-54g, 12123-275g, 12123-330-g

SECTION 1. PREPARATION INFORMATION

Date	:	**March 18, 2015**
GHS Product identifier	:	**Petron Plus Transmission & Gearbox Supplement** **MSDS ID: 12123-12oz, 12123-1g, 12123-5g, 12123-54g, 12123-275g 12123-330g**
Code	:	**Lubricant and Supplement.**
CAS Number	:	**Not Applicable for mixtures.**
Synonyms	:	**None.**
Generic Chemical Name	:	**Mixture.**
Applications include the Following	:	**Gearbox Oil Supplement, add 10% to 15% to gearboxes using gear oils**
Manufactured by	:	**PETRON PLUS GLOBAL, INC.** **P. O. BOX 1906** **208 East 2nd** **HUTCHINSON, KS. 67504-1906 USA**
Contact Information	:	**620/663-1800 - Phone** **info@petronplus7.com** **Emergency Health and Safety Number:** **CHEMTREC: 800.424.9300 (24 Hours)** **International: +1-703-527-3887**

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SECTION 2. HAZARDOUS IDENTIFICATION

Hazards Classification

Physical Hazards

Flammable liquid : **Category 4**

Aquatic Toxicity (Chronic) : **Category 4**

Health Hazards

Skin sensitizer : **Category 1**

Unknown toxicity

Acute toxicity, oral : **0.2 %**

Acute toxicity, dermal : **0.2 %**

Acute toxicity, inhalation, vapor : **70.4 %**

Acute toxicity, inhalation, dust or mist : **70.5 %**

Label Elements:

Hazard Symbol:

Signal Word : **Danger.**

Hazard statement

: **May cause harm to breast-fed children. Harmful to aquatic life. Very toxic to aquatic life with long lasting effects.**
Combustible liquid.
May cause an allergic skin reaction.
Causes serious eye damage.

Precautionary statements

Prevention

: **Obtain special instructions before use.**
Do not breath dust/ fume/ gas/ mist/ vapors/ spray.
Avoid contact during pregnancy/ while nursing.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Ware protective gloves/ Protective clothing/ eye protection/ face protection.
Avoid release tot he environment.
Observe good industrial hygiene practices.

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SECTION 2. HAZARDOUS IDENTIFICATION, Cont.

Precautionary statements, Cont.

Response

: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get # 4 medical advice/ attention. Specific treatment (see this label). Wash contaminated # clothing before reuse. In case of fire: Use CO2, dry chemical or foam for extinction. Water can be used to cool and protect exposed material. Collect spillage. If exposed or concerned: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easily to do. Continue rinsing. Immediately call a poison center or doctor/physician.
Wash hand after handling.

Storage

: Store away from incompatible material.
Store in well-ventilated place. Keep cool.

Disposal

: Disposal of contents/ containers to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazards not otherwise classified : Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture.

Other means of identification : Not applicable.

CAS Number/other identifiers

CAS number : Not applicable.

Product code : 12123-12oz, 12123-1g, 12123-5g, 12123-54g, 12123-275g, 12123-330g

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS, Cont.

# CHEMICAL NAME	CAS #		% RANGE
1. Residual oils (petroleum), solvent-dewaxed	64742-62-7	}	20 - 70% Mixture
2. Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	}	
3. Proprietary Ingredient	Confidential		10 - 30 % Mixture
4. Proprietary Ingredients	Mixture		
Mineral oil*	Not determined	}	1.5 - 4.5 %
Olefin sulfide	Confidential	}	1.5 - 4.5 %
Phosphoric acid esters/amine salt	Confidential	}	0.9 - 2 %
Substituted thiadiazole	Confidential	}	0.09 - 0.5 %
Oleyl hydroxyethyl imidazoline	Confidential	}	0.09 - 0.5 %
5. Mixture**			
Highly Refined Mineral Oil C 15-C50	Confidential	}	5 % - 12 %
Calcium branched chain alkyl phenate sulfide	Confidential	}	1 % - 7 %
6. Mixture***			
Highly refined mineral oil (C15 - C50)	Mixture	}	0.5% - 5 %
01154100-5233P	Trade secret	}	0.1 % - 4 %
Zinc alkyl dithiophosphate	68649-42-3	}	0.1 % - 4 %
Phosphoric acid ester amine salt	Mixture	}	0.05 % - 3 %
7. Fatty Acids, Tall-Oils, Esters*** With Neopentyl Glycol	68002-76-7		0.05 % - 3 %
8. Mineral Oil	64742-53-6		0.05 % - 0.1 %

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

***The mineral oil contained in this material may be described by one or more of the following CAS No.: 64742-54-7, 64742-65-0, 64742-55-8 and 64742-56-9.**

****Contains one or several of the following mineral oils: CAS # 64741-88-4, CAS # 64741-89-5, CAS # 64741-95-3, CAS # 64741-96-4, CAS # 64741-97-5, CAS # 64742-01-4, CAS # 64742-52-5, CAS # 64742-53-6, CAS # 64742-54-7, CAS # 64742-55-8, CAS # 64742-56-9, CAS # 64742-57-0, CAS # 64742-58-1, CAS # 64742-62-7, CAS # 64742-65-0, CAS # 64742-71-8, CAS # 72623-83-7, CAS # 72623-85-9, CAS # 72623-86-0, CAS # 72623-87-1, CAS # 74869-22-0**

*****Note that the chemical identity of some of the above components is considered confidential business information and is being withheld as permitted by 29 CFR 1910.1200 and various State Right-To-Know Laws.**

Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Occupational exposure limits, if available, are listed in Section 8.

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SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water (for 30 minutes), occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do NOT INDUCE VOMITING unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye Contact : Contact with eyes causes permanent damage. Symptoms may include pain, tearing, reddening, swelling and impaired vision. If this material is heated, thermal burns may result from eye contact.

Inhalation : Vapor and/ or mists which may be formed at elevated temperatures may be irritating to eyes, nose, throat, upper respiratory tract and lungs.

Skin contact : May cause skin dryness, irritation and defatting of the skin. Contact with product at elevated temperatures may result in thermal burns

Ingestion : Not expected to present a significant hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Note to physician : Treat symptomatically. Contact physician or poison control center immediately if ingested or if large quantities have been inhaled.

Special treatment : No special treatment.

Protection of first-aides : Do not attempt to take action without suitable protective equipment. See Section 8 for additional information on protective measures. Wash victim contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11).

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SECTION 5. FIRE-FIGHTING MEASURES

NFPA 704 Hazard Class

Health: 2 Flammability: 1 Instability: 0

0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

Extinguishing media

Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire. Water fog, Foam, Dry chemical power, Carbon dioxide (CO2).
Unsuitable extinguishing media	:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	:	Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentration. Vapors may travel considerable distance to a source of ignition and flash back. Water may cause splattering. Container may rupture on heating. When heated., hazardous gases may be released including: sulfur dioxide. A solid stream of water will spread the burning material. Material creates a special hazard because if floats on water. See Section 10 for additional information.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, phosphorus, zinc, calcium and other asphyxiants.
Special protective actions for fire-fighters	:	Fight fire from a safe distance and protected location. Exercise caution when fighting any chemical fire.
Special protective equipment for fire-fighters	:	Fire-fighters should wear full appropriate equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	:	Move containers from fire area if you can do so without risk.
Specific methods	:	Use standard fire-fighting procedures and consider the hazards of other involved materials.
General fire hazards	:	No unusual fire or explosion hazards noted.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Eliminate all ignition sources (no smoking, flares, sparks or flames in the immediate area). Keep unnecessary personnel away. Keep people away from and upwind of spill/ leak. Remove ignition sources. Wear appropriate protective equipment and clothing during clean-up. Do not breath mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillage's cannot be contained. For personal protection, see Section 8 of the SDS.

For Small Spills: ventilate area, wear chemical splash goggles. Wear rubber boots. Prevent entry into sewers, waterways. Pick up free liquid for recycle or disposal. Absorb small amount on inert material for disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see Section 13 of the SDS.

For Large Spills: Personal Protective Equipment must be worn. Stop leak if possible without risk. Avoid skin contact. Use skin protection. See Personal Protection Section for additional PPE recommendations. Take precautions to avoid release to the environment. Ventilate area if spilled in confined space or other poorly ventilated area. Prevent entry into sewer and waterway, dispose of in accordance with all federal, state and local environmental regulations. Pick-up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Provide adequate ventilation. Should be handle in closed system, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Avoid contact with used product. Do not reuse container. Avoid release to the environment. Observe good industrial hygiene practices. Material can accumulate static charge which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Use grounding and bonding connection when transferring material. In case of spills, beware of slippery floors and surfaces.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and keep upright to prevent leaking. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

Component & CAS #	ACGIH	OSHA	Other
1. Residual oils (petroleum), solvent-dewaxed CAS # 64742-62-7	TWA: 5 mg/3 From: Inhalable fraction.	TWA: 5 mg/3	NIOSH REL TWA: 5 mg/3 10 h Form: Mist STEL: 10 mg/m3 15 m, Form: Mist
2. Distillates (petroleum), hydrotreated heavy paraffinic CAS # 64742-54-7	TWA: 5 mg/m3 STEL: 10 mg/m3 (as oil Mist, if generated)	5 mg/m3 (as oil Mist, if generated)	None
3. Proprietary Ingredient Confidential	No exposure limits noted for ingredient(s).		
4. Proprietary Ingredients			
Mineral oil	TWA From: Inhalable fraction.	5 mg/m3	ACGIH
Mineral oil	REL - Mist	5 mg/m3	NIOSH
Mineral oil	STEL	10 mg/m3	NIOSH
Mineral oil	PEL	5 mg/m3	OSHA Z-1
5. Highly refined mineral oil (C15-C50)	TWA	5 mg/m3	STEL: 10 mg/m3
Highly refined mineral oil (C15-C50)	TWA	5 mg/m3	OSHA Z-1
Alkyl diphenylamine	UK WELs	TWA: 10 mg/m3	STEL: 20/mg/m3
6. Highly refined mineral oil (C15-C50)	TWA	5 mg/m3	OSHA Z-1
Highly refined mineral oil (C15-C50)	TWA	5 mg/m3	ACGIH STEL 10 mg/m3
01154100-5233P	---	---	Not Applicable
Zinc alkyl dithiophosphate	---	---	Not Applicable
Phosphoric acid ester amine salt	---	---	Not Applicable
7. Fatty Acids, Tall-Oils, Esters With Neopentyl Glycol	No exposure limits noted for ingredient(s)		
8. Mineral Oil 64742-53-6	TWA Inhalable fraction.	5 mg/m3	ACGIH
	REL (Mist)	5 mg/m3	NIOSH
	STEL (Mist)	10 mg/m3	NIOSH
	Ceil_Time	1,800 mg/m3	NIOSH
	PEL (Mist)	5 mg/m3	OSHA Z-1

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION, Cont.

Appropriate engineering controls

: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be to conditions. If applicable, use local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to acceptable levels.

Individual protection measures

General information : Use personal protective equipment as required.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a skin risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Thermal hygiene : Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations : When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, before and after using the rest room, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminates.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	:	**Liquid.**
Color	:	**Brown.**
Odor	:	**Mild hydrocarbon.**
Odor threshold	:	**Not available.**
Pour point	:	**<-10°F (-23.3°C).**
Boiling point	:	**Not available.**
Flash point	:	**>310°F (154°C). [Cleveland]**
Flammability (Solid, gas)	:	**Not available.**
Lower and upper explosive (flammable) limits	:	**Not available.**
Vapor pressure	:	**Not available.**
Vapor density	:	**Not available.**
Relative density	:	**Not available.**
Solubility	:	**Not available.**
Partition coefficient: n-octanol/water	:	**Not available.**
Auto-ignition temperature	:	**Not available.**
Decomposition temperature	:	**Not available.**
Viscosity	:	**Not available.**
Specific Gravity:	:	**0.973 @ 60 degrees F.**
Density	:	**8.1 (lbs/gal).**

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	**The product is stable and non-reactive under normal conditions of use, storage and transport.**
Chemical stability	:	**This product is stable under normal conditions.**
Possibility of hazardous reactions	:	**Under normal conditions of storage and use, hazardous reactions will not occur.**
Conditions to avoid	:	**Avoid temperatures exceeding the flash point. Don not expose to excessive heat, ignition sources, or oxidizing materials.**
Incompatible material:	:	**Strong Oxidizing agents.**
Thermal Decomposition	:	**Under normal conditions of storage and use, hazardous decomposition products should not be produced.**
Hazardous Decomposition	:	**Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans, sulfides and metal oxides may also be released. Under combustion conditions, oxides of the following elements will be formed: smoke, carbon monoxide, carbon dioxide, sulfur oxides, mercaptans, alkyl mercaptans, sulfides, including hydrogen sulfide and other products of incomplete combustion. Thermal decomposition may generate phosphorus oxides and other phosphorus containing compounds.**

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	:	**Vapors and/or mists which may be formed at elevated temperatures may be irritating to eyes, nose throat, upper respiratory tract and lungs.**
Ingestion	:	**Expected to be a low ingestion hazard.**
Skin Contact	:	**Not classified as a primary skin irritant. Repeated contact may cause skin irritation. Contact with the skin may cause an allergic skin reaction. Symptoms may include pain, itching, discoloration, swelling and blistering. Not expected to be harmful to internal organs if absorbed through the skin. If this material is heated, thermal burns may result from skin contact.**
Eye Contact	:	**Direct contact with eyes may cause temporary irritation.**

Symptoms Related to the Physical, chemical and Toxicological Characteristics

Eye Contact:

: **Direct contact with eyes may cause temporary irritation.**

Information on toxicological Effects

Basis of assessment : **Information given hereby is based on the components and the toxicology of similar products and the data indicated here are representative of mainly base oil which is present in majority to make this product.**

Acute Toxicity

Oral (Components)

: **ATEmix 5000 - 10,000 mg/kg.**

Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain. Swallowing this material cause severe irritation and may cause burns of the mouth, esophagus and stomach, abdominal pain, nausea, vomiting and diarrhea.

Inhalation (Components)

: **This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1910). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans Group 1), probably carcinogenic to humans (Group IIA), or possible carcinogenic to humans (Group IIB).**
These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confined human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

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SECTION 11. TOXICOLOGICAL INFORMATION, Cont.

Acute Toxicity

Skin Corrosion/Irritation (Components)

: Not classified as a primary skin irritant. Repeated contact may cause skin irritation. Contact with the skin may cause an allergic skin reaction. Symptoms may include pain, itching, discoloration, swelling and blistering. Not expected to be harmful to internal organs if absorbed through the skin. If this material is heated, thermal burns may result from skin contact.

Serious Eye Damage/Eye Irritation (Components)

: Direct contact with eyes may cause temporary irritation.

: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1910). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans Group 1), probably carcinogenic to humans (Group IIA), or possible carcinogenic to humans (Group IIB).
These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confined human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

Respiratory and/or Skin Sensitization

: Not classified as a primary skin irritant. Repeated contact may cause skin irritation.

: Vapors and/or mists which may be formed at elevated temperatures may be irritating to eyes, nose throat, upper respiratory tract and lungs.

Specific Target Organ Toxicity (Single Exposure)

: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Specific Target Organ Toxicity (Repeated Exposure)

: No data available.

Aspiration Hazard (Components)

: Not expected to be an aspiration hazard.

: Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs and death.

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SECTION 11. TOXICOLOGICAL INFORMATION, Cont.

Chronic Effects

Carcinogenicity

: None of the oils requires a cancer warning under the OSHA Hazard Communication Standard 29 CFR 1910.1200
These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group I), probably carcinogenic to humans (Group IIA), or possible carcinogenic to humans (Group IIB).
These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confined human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans.

: No carcinogenic components identified.

U.S. National Toxicology Program (NTP) Report on Carcinogenic.

: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1910). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans Group 1), probably carcinogenic to humans (Group IIA), or possible carcinogenic to humans (Group IIB).
These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confined human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

U.S. OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050)

: None of the oils requires a cancer warning under the OSHA Hazard Communication Standard 29 CFR 1910.1200

Germ Cell Mutagenicity

: No data available to indicate material present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity

: May cause harm to breast-fed babies.
Based on available data this product is not expected to be classified a reproductive hazard.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Basis for Assessment: Product not tested. Information given on data on individual components or similar materials. Samples of base oils have been tested in fish, invertebrates, and algae.

Product		Species	Test Results
Aquatic			
Fish			
	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	0.06 - 0.08 mg/l, 96 hours
	LC50	Bleak (Alburnus alburmus)	> 10000 mg/l, 96 hours
			> 5000 mg/l, 96 hours
		Bluegill (Lepomis macrochirus)	> 300 mg/l, 24 hours
			> 300 mg/l, 96 hours
			> 10.7 mg/l, 24 hours
			> 10.7 mg/l, 96 hours
			> 10 mg/l, 24 hours
			> 10 mg/l, 96 hours
			> 0.1 mg/l, 24 hours
			> 0.1 mg/l, 96 hours
		Channel catfish (Ictalurus punctatus	> 300 mg/l, 24 hours
			> 300 mg/l, 96 hours
			> 10 mg/l, 24 hours
			> 10 mg/l, 96 hours
			> 0.1 mg/l, 24 hours
			> 0.1 mg/l, 96 hours
		Fathead minnow (Pimephales promelas	> 100 mg/l, 24 hours
			> 100 mg/l, 96 hours
		Rainbow trout, donaldson trout (Oncorhynchus mykiss)	> 300 mg/l, 24 hours
			> 300 mg/l, 96 hours
			94.5 - 271 mg/l, 24 h
			> 10 mg/l, 24 hours
			> 0.1 mg/l, 24 hours
			> 0.1 mg/l, 96 hours
			0.06 - 0.08 mg/l, 96 h
			0.06 - 0.08 mg/l, 96 h
			> 0.0109 mg/l, 24 hours
			> 0.0109 mg/l, 96 hours
		Yellow perch (Perca flavescens)	> 10.7 mg/l, 24 hours
			> 10.7 mg/l, 96 hours
			> 10 mg/l, 24 hours
			> 10 mg/l, 96 hours

*Estimates for product may be based on additional component data not shown.

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SECTION 12. ECOLOGICAL INFORMATION, Cont.

Aquatic Invertebrates

Mineral Oil	:	LC 50 (Water flea (Daphnia magna), 2 d): > 10,000 mg/l LC 50 (Water flea (Daphnia magna), 21 d): > 10 mg/l NOEC (Water flea (Daphnia magna), 21 d): > 10 mg/l
Olefin Sulfide	:	LC 50 (Water flea (Daphnia magna), 2 d): > 63 mg/l
Phosphoric acid esters/ amine salt	:	LC 50 (Water flea (Daphnia magna), 2 d): > 91.4 mg/l LC 50 (Water flea (Daphnia magna), 21 d): > 0.66 mg/l NOEC (Water flea (Daphnia magna), 21 d): > 0.12 mg/l
Substituted thiadiazole	:	LC 50 (Water flea (Daphnia magna), 2 d): > 41 mg/l NOEC (Water flea (Daphnia magna), 2 d): > 32 mg/l
Oleyl hydroxyethyl imidazoline	:	LC 50 (Water flea (Daphnia magna), 2 d): > 0.34 mg/l

Toxicity to Aquatic Plants

Mineral Oil	:	LC 50 (Green algae (Scenedesmus quadricauda), 3 days): > 100 mg/l
Olefin Sulfide	:	LC 50 (Alga, 3 d): > 100 mg/l
Phosphoric acid esters/ amine salt	:	LC 50 (Green algae (Selenastrum capricomutum), 4 days): 6.4 mg/l NOEC (Green algae (Selenastrum capricomutum), 4 days): 1.7 mg/l
Substituted thiadiazole	:	NOEC (Green algae (Selenastrum capricomutum), 3 days): 100 mg/l LC 50 (Green algae (Selenastrum capricomutum), 3 days): > 100 mg/l
Oleyl hydroxyethyl imidazoline	:	LC 50 (Green algae (Selenastrum capricomutum), 4 days): 0.3 mg/l

Sediment Toxicity

: No data available.

Toxicity to Terrestrial Plants

: No data available

Toxicity to Above-Ground Organisms

: No data available

Toxicity to Microorganisms

Olefin Sulfide	:	EC 50 (Sludge, 0.1 d): > 10,000 mg/l
Phosphoric acid esters/ amine salt	:	LC 50 (Sludge, 0.1 d): > 2,433 mg/l
Substituted thiadiazole	:	EC 50 (Pseudomonas putida, 0.7 days): > 8,000 mg/l
Oleyl hydroxyethyl imidazoline	:	EC 50 (Sludge, 0.1 d): > 26 mg/l

SECTION 12. ECOLOGICAL INFORMATION, Cont.

Persistence and Degradability:

Mineral Oil	:	OECD TG 301 B, 31%, 28 d, Not readily degradable.
Olefin Sulfide	:	OECD TG 301 B, 13%, 28 d, Not readily degradable.
Phosphoric acid esters/ amine salt	:	Inherent Sludge, 3.6 %, 28 d, Not readily degradable. OECD TG 301 B, 7.4 %, 28 d, Not readily degradable.
Substituted thiadiazole	:	OECD TG 301 C, 2 %, 28 d, Not readily degradable.
Oleyl hydroxyethyl imidazoline	:	OECD TG 301 B, 1 %, 28 d, Not readily degradable.
	:	This material is not expected to be readily biodegradable. The biodegradability of the material is based on an evaluation of data for the components or a similar material.

Bioaccumulative Potential:

: Constituents of Other Lubricant Base Oils show measured or predicted value for Log Kow from 2 to ± 6 and are considered potentially bioaccumulative.

Partition Coefficient n-octanol / Water (log Kow)

: No data available.

Mobility in Soil

: Volatilization to air is not expected to be a significant fate process due to the low vapor pressure of this material. In water, base oils will float and spread over the surface at a rate dependent upon viscosity. There will be significant removal of hydrocarbons from the water by sediment adsorption. In soil and sediment, hydrocarbon components will show low mobility with absorption to sediments being the predominant physical process. The main fate process is expected to be slow biodegradation of the hydrocarbon constituents in soil and sediment.

Other Adverse Effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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SECTION 13. DISPOSAL CONSIDERATION

WASTE DISPOSAL

Disposal Instructions : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/ water supplies. Do not contaminate ponds, waterways or ditches with chemical or used containers. Disposal of contents/ container in accordance with local/ regional/ national/ international regulations.

Local disposal regulations : Dispose in accordance with all applicable regulations.

Hazardous waste code : The waste code should be assigned in discussion between user, the producer and the waste disposal company.

Waste from residues / unused products : Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT)

Shipping Description : Not regulated.
Environmental hazards: No

International Maritime Dangerous Goods (IMDG)

UN Number : UN 3082

UN Proper Shipping Name : Environmentally Hazardous Substance (9 % total), Liquid, N.O.S. (Phosphoric acid esters/amine salt, Alkyl sulfide).

Transport Hazard Class(es) :

Class: 9
Label(s): 9
EmS No.: F-A, S-F
Packing group: III
Marine pollutant: Yes
Limited quantity: 5.00L

Excepted quantity: E1

Special precautions for use: None established.

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SECTION 14. TRANSPORTATION INFORMATION, Cont.

International Civil Aviation Org. / International Air Transport Assoc. (ICAO / IATA)

UN Number	:	**UN 3082**
UN Proper Shipping Name	:	**Environmentally Hazardous Substance (9 % total), Liquid, N.O.S. (Phosphoric acid esters/amine salt, Alkyl sulfide).**
Transport Hazard Class(es)	:	
Class:		**9**
Label(s):		**9MI**
Packing group:		**III**
Marine pollutant:		**Yes**
Limited quantity:		**30.00KG**
Excepted quantity:		**E1**
Environmental Hazards:		**Marine Pollutant.**
Special precautions for use:		**None established.**
Other information:		
Passenger and cargo aircraft:		**Allowed.**
Cargo aircraft only:		**Allowed.**

Shipping descriptions may vary based on mode of transport, quantities, temperatures of the material, package size, and/or origin and destination it is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Review classification requirements before shipping materials at elevated temperatures.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

United States Toxic Substance Control Act (TSCA)

: **All components of this product are listed, or excluded from listing, on the United States Environment Protection Agency Toxic Substance Control Act (TSCA) Inventory.**

: **All components are on the U.S. EPA TSCA Inventory List.**
One component (19 %) is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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SECTION 15. REGULATORY INFORMATION, Cont.

US Federal Regulations, Cont.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard Categories

Immediate (acute) Hazard	:	Yes
Delayed (chronic) Hazard	:	No
Fire Hazard	:	No
Pressure Hazard	:	No
Reactivity Hazard	:	No

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPOs (in Pounds):

: This component may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Petron Plus Global, Inc. Customer Assistance at 1/800/884-5823 in the United States and Canada, or 620/663-1800 for every where else, or buy email at: info@petronplus7.com.

SARA - Section 304 Emergency Release Notification

: This component may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Petron Plus Global, Inc. Customer Assistance at 1/800/884-5823 in the United States and Canada, or 620/663-1800 for every where else, or buy email at: info@petronplus7.com.

CERCLA/SARA - Section 311/312 (Title III Hazard Categories)

: This component may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Petron Plus Global, Inc. Customer Assistance at 1/800/884-5823 in the United States and Canada, or 620/663-1800 for every where else, or buy email at: info@petronplus7.com.

CERCLA/SARA - Section 313 and 40 CFR 372:

: This component may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Petron Plus Global, Inc. Customer Assistance at 1/800/884-5823 in the United States and Canada, or 620/663-1800 for every where else, or buy email at: info@petronplus7.com.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

: Not listed.

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SECTION 15. REGULATORY INFORMATION, Cont.

Other Federal Regulations

Chemical Facility Anti-terrorism Standards (6 CFR 27), Appendix A, Chemicals of Interest:

: Not listed.

EPA (CERCLA) Reportable Quantity (in pounds):

: This material does not contain any chemicals with CERCLA reportable Quantities.

RCRA (Resource Conservation and Recovery Act) 40 CFR Part 261:

: Not listed.

State Regulations (Right-to-Know) RTK)

:

Massachusetts:	Listed as 8012-95-1 (Oil Mist, Mineral).
Minnesota:	Listed as 8012-95-1 (Oil Mist, Mineral).
New Jersey:	Listed as mineral oil (highly refined)
Pennsylvania:	Listed as mineral oil.
Rhode Island:	Listed.

:

EPCRA 313	Zinc alkyl dithiophosphate
New Jersey	Zinc alkyl dithiophosphate

California Proposition 65:

Proprietary Ingredients # 4 : This material contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Ethyl benzene	25.00PPM
Cumene	25.00PPM
Methyl isobutyl ketone	6.00PPM
Ethyl acrylate	3.00PPM
Naphthalene	473.00PPB

International Hazard Classification

GHS Classification:

: Not listed.

Canada
Canadian Regulations:

: One or more components has been notified but may not be listed in the following chemical inventory: DSL (Canada). Secondary notification by the importer may be required.

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SECTION 15. REGULATORY INFORMATION, Cont.

WHMIS Hazard Class:

: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the Regulations.

Other Federal Regulations:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

: Not regulated.

Safe Drinking Water Act (SDWA)

: Not regulated.

National Chemical Inventories*
International Lists

Component	AICS	DSL	NDSL	CHINA	EINECS	ELINCS	ENCS	KOREA	PICCS	TSCA
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Y	Y	N	Y	Y	N	Y	Y	Y	Y	
Distillates (petroleum), hydrotreated light paraffinic 64742-55-8	Y	Y	N	Y	Y	N	Y	Y	Y	Y	
Proprietary Ingredients Confidential # 3	Y	Y	N	Y	Y	N	Y	Y	Y	Y	
Proprietary Ingredients Confidential # 4	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	
Mixture # 5 Highly Refined Mineral Oil C 15-C50 Calcium branched chain alkyl phenate sulfide	Y	Y	N	Y	Y	N	Y	Y	Y	Y	
Mixture # 6 Highly refined mineral oil (C15 - C50) 01154100-5233P Zinc alkyl dithiophosphate Phosphoric acid ester amine salt	Y	N	N	Y	Y	N	Y	N	N	Y	
# 7 Fatty Acids, Tall-Oil, Esters with Neopentyl Glycol	Y	Y	N	Y	Y	N	N	Y	N	Y	
# 8 Mineral Oil	Y	Y	N	Y	Y	N	Y	Y	Y	Y	

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SECTION 15. REGULATORY INFORMATION, Cont.

***A "Y" = "Yes" Indicates that all components of this product comply with the inventory requirements administered by the governing country(s).**

A "N" = "No" Indicates that one or more components of this product are not listed or exempt from listing on the inventory administered by the governing country(s).

Legend: AICS - Australia Inventory of Chemical Substances, DSL - Domestic Substances List (Canada), NDSL - Non-Domestic Substances List (Canada), CHINA - Inventory List, ELINCS - EU List of Notified Chemical Substances, EINECS - European Inventory of Existing Commercial Chemical Substances, ENCS - Japan Existing and New Chemical Substances, KOREA - Existing and Evaluated Chemical Substances, PICCS - Philippines Inventory of Chemicals and Chemical Substances, TSCA - United States Section 8(b) Inventory.

SECTION 16. OTHER INFORMATION

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosion from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

Revision Date: 18-March-2015
Updated to Format.

Key to Abbreviations:

ACGIH = American Conference of Government Industrial Hygienists; API = American Petroleum Institute; ATE = Acute Toxicity Estimate; BCF = Bioconcentration Factor; CAS/CASRN = Chemical Abstracts Service Registry Number, CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; DOT = Department of Transportation (USA); EPA = Environmental Protection Agency; GHS = Globally Harmonization System; IARC = International Agency for Research for Cancer; IATA = International Air Transport Association; IBC = Intermediate Bulk Container; IMO/IMDG = International Maritime Dangerous Goods Code; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; LogPow = Logarithm of the octanol/water partition coefficient; MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships; 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution); NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PBT = Persistent, Bioaccumulative and Toxic; PEL = Permissible Exposure Limit (OSHA); SDS = Safety Data Sheet; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weight Average (8 hours); UEL = Upper Explosive Limit; UN = United Nations; vPvB = Very Persistent and very Bioaccumulative; WHMIS = Worker Hazardous Materials Information System (Canada).

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SECTION 16. OTHER INFORMATION

Notice to reader:

THE INFORMATION IN THIS SAFETY DATA SHEET (SDS) WAS OBTAINED FROM SOURCES WHICH WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED REGARDING ITS CORRECTNESS OR ACCURACY. SOME INFORMATION PRESENTED AND CONCLUSION DRAWN HEREIN ARE FORM SOURCES OTHER THAN DIRECT TEST DATA ON THE SUBSTANCE ITSELF. THIS SDS WAS PREPARED AND IS TO BE USED ONLY FOR THIS PRODUCT. IF THE PRODUCT IS USED AS A COMPONENT IN ANOTHER PRODUCT, THIS SDS INFORMATION MAY NOT BE APPLICABLE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABLE OF THE INFORMATION OR PRODUCTS FOR THEIR PARTICULAR PURPOSE OR APPLICATION.

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