



**PETRON  
PLUS™  
FORMULA 7**



# Material Safety Data Sheet

ENGINE CONDITIONER

for

EUROPEAN LOW SAPS ENGINE OILS

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : ENGINE CONDITIONER for EUROPEAN LOW SAPS ENGINE OILS  
**Part Number** : 12130-12oz, 12130-32oz, 12130-1g, 12130-54g  
**Supplier/Manufacturer** : PPX®, Inc.  
Petron Plus™ Global, Inc.  
P. O. Box 1906  
Hutchinson, KS 67504-1946 USA  
Tel: 620/663-1800  
Fax: 620/663-8560  
**MSDS #** : 12130-12oz, 12130-32oz., 12130-1g, 12130-54g  
**MIL-SPEC #** : N/A  
**Validation Date** : 10-2-2020  
**In Case of Emergency** : 1-800/884-5823, or 620/663-1800

## 2. HAZARDS IDENTIFICATION

This material is not hazardous according to regulatory guidelines (see (M)SDS Section 15).

**Physical State** : Liquid  
**Hazard Not Otherwise Classified (HNOC)** : None as defined under 29 CFR 1910.1200.  
**Physical / Chemical Hazards** : No significant hazards.  
**Health Hazards** : High-pressure injection under skin may cause serious damage. Excessive exposure may result in eye, skin, or respiratory irritation.  
**Environmental Hazards** : No significant hazards.

**NFPA Hazard ID:** Health: 0 Flammability: 1 Reactivity: 0  
**HMIS Hazard ID:** Health: 0 Flammability: 1 Reactivity: 0

**NOTE:** This material should not be used for any other purpose than the intended use in Section 1 without expert advise. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

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### 3. COMPOSITION/INFORMATION on INGREDIENTS

This material is defined as a mixture.

Hazardous Substance(s) or Complex Substance(s) required for disclosure

<u>NAME</u>	<u>CAS Number</u>	<u>Concentration</u>	<u>GHS Hazard Codes</u>
C-14-16-18 ALKYL PHENOL	CONFIDENTIAL	0.1—<1%	H317, H373
PHOSPHORODITHIOIC ACID, MIXED 0,0 BIS (1-3-DIMETHYLBUTYL AND ISO-PR) ESTER, ZINC SALTS	84605-29-8	0.1—<1%	H303, H315, H318 H401, H411
POLYOLEFIN POLYAMINE SUCCINIMIDE	147880-09-9	1—<5%	H413

\*All concentration are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

As per paragraph (i) of 29 CFR 1910. 1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, or designated representative in accordance with applicable provision of paragraph (i).

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation occurs.
<b>Skin Contact</b>	: Wash with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.
<b>Inhalation</b>	: Remove from further exposure. For those assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
<b>Ingestion</b>	: First aid is normally not required. Seek medical attention if discomfort occurs. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
<b>Protection of First-Aiders:</b>	No action shall be taken involving any personal risk or without suitable training.

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## 5. FIRE-FIGHTING MEASURES

- Flammability of the Product** : 392°F (>200°C) [ASTM D-92]  
**Extinguishing Media**  
**Suitable** : Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.  
**Not Suitable** : Straight Streams of water.  
**Special Exposure Hazards** : Not available.  
**Hazardous Combustion Products** : Aldehydes, incomplete combustion products, Oxides of carbon, Smoke, Fume  
**Special Protective Equipment for the Fire-Fighter** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

### NOTIFICATION PROCEDURES

- : In the event of a spill or accidental release, notify relevant authorities in accordance with applicable regulations. US regulations require reporting release of this material to the environment which exceed the applicable reportable quantity or oil spill which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

### PROTECTIVE MEASURES

- : Avoid contact with spilled material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

### SPILL MANAGEMENT

- LAND SPILL** : Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.

- WATER SPILL** : Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

### ENVIRONMENT PRECAUTIONS

- LARGE SPILLS** : Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements, or confined areas.

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## 7. HANDLING and STORAGE

### Handling

: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid contact with used product. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Additional references include American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity or CENELEC CLC/TR 50404 (Electrostatics — Code of practice for the avoidance of hazards due to static electricity).

### Storage

**Static Accumulator** : This material is a static accumulator.  
: The type of container used to store the material may affect static accumulation and dissipation. Do not store in open or unlabeled containers. Keep away from incompatible materials. Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits/standards for material that can be formed when handling this product:** When mists/aerosols can occur the following are recommended: 5 mg/m<sup>3</sup> - ACGIH TLV (inhalable fraction), 5 mg/m<sup>3</sup> - OSHA PEL.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

No biological limits allocated.

### ENGINEERING CONTROLS

: The level of protection and type of controls necessary will vary depending upon potential exposure conditions.  
Control measures to consider:  
No special requirements under ordinary conditions of use and with adequate ventilation.

### PERSONAL PROTECTION

: Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

### Respiratory Protection

: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respiratory may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  
No special requirements under ordinary conditions of use with adequate ventilation.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode.

Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION, Cont.

### PERSONAL PROTECTION, cont.

#### Hand Protective

: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material includes:  
No protection is ordinarily required under normal conditions of use.

#### Eye Protection

: If contact is likely, safety glasses with side shields are recommended.

#### Skin and Body Protection

: Any specific clothing information provided is based on published literature or manufacturer data. The type of clothing to be considered for this material is:  
No skin protective is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

#### Specific Hygiene Measures

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

### ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by Applying appropriate control measures to prevent or limit emissions.

## 9. PHYSICAL and CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

### GENERAL INFORMATION

Physical State : Liquid  
Color : Brown  
Odor : Characteristic  
Odor Threshold : N/D

### IMPORTANT HEALTH, SAFETY, and ENVIRONMENTAL INFORMATION

Relative Density (at 15°C) : 0.851  
Flammability (solid, Gas) : N/A  
Flash Point [Method] : >200°C (392°F) [ASTM D-92]  
Autoignition Temperature : N/D  
Boiling Point / Range : >316°C (601°F)  
Decomposition Temperature : N/D  
Vapor Density (Air = 1) : > 2 at 101 kPa  
Vapor Pressure : < 0.013 kPa (0.1 mm Hg) at 20°C  
Pour Point : -36°C (-33°F)  
pH : N/A  
Log Pow (n-Octanol/Water Partition Coefficient) : > 3.5  
Viscosity : (68 mm<sup>2</sup>/sec) at 40°C. / (11.9 mm<sup>2</sup>/sec) at 100°C [ASTM D-445]  
Solubility in Water : Negligible.

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## 10. STABILITY and REACTIVITY

<b>Reactivity</b>	: See sub-section below.
<b>Stability</b>	: Material is stable under normal conditions.
<b>Conditions of Avoid</b>	: Excessive heat. High energy sources of ignition.
<b>Incompatibility with Various Substances</b>	: Strong oxidizers.
<b>Hazardous Decomposition Products</b>	: Material does not decompose at ambient temperatures.
<b>Possibility of Hazardous Reactions</b>	: Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

<b>Hazard Class</b>	<b>Conclusion / Remarks</b>
<b>Inhalation</b>	
Acute Toxicity: No end point data for material.	Minimally Toxic. Based on assessment of the components.
Irritation: No end point data for material.	Negligible hazard at ambient/normal handling temperatures.
<b>Ingestion</b>	
Acute Toxicity: No end point data for material	Minimally Toxic. Based on assessment of the components.
<b>Skin</b>	
Acute Toxicity: No end point data for material	Minimally Toxic. Based on assessment of the components.
Skin Corrosion: No end point data for material.	Negligible irritation to skin at ambient temperature. Based on assessment of the components.
<b>Eye</b>	
Serious Eye Damage/Irritation: No end Point data for material.	May cause mild, short-lasting discomfort to eyes. Based on Assessment of the components.
<b>Sensitization</b>	
Respiratory Sensitization. No end point data for material. Not expected to be a respiratory sensitizer.	
Skin Sensitization: No end point for material.	Not expected to be a skin sensitizer. Based on assessment of the
<b>Aspiration: Data available.</b>	Not expected to be an aspiration hazard. Based on physico-properties of the material.
<b>Germ Cell Mutagenicity:</b> No end point data for material	Not expected to be a germ cell mutagen. Based on assessment of the components.

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## 11. TOXICOLOGICAL INFORMATION, Cont.

**Carcinogenicity:** No end point data for material      Not expected to cause cancer. Based on assessment of the components.

**Reproductive Toxicity:** No end point data for material.      Not expected to be a reproductive toxicant. Based on assessment of

**Lactation:** No end point data for material.      Not expected to cause harm to breast-fed children.

### Specific Target Organ Toxicity (STOT)

**Single Exposure:** No end point data for material.      Not expected to cause organ damage from a single exposure.

**Repeated Exposure:** No end point data for material.      Not expected to cause organ damage from prolonged or repeated exposure. Based on assessment of the components.

### OTHER INFORMATION

#### For the product itself:

Components concentration in this formulation would not be expected to cause skin sensitization, based on tests of the components, this formula, or similar formulations.

Diesel Engine oils: Not carcinogenic in animal tests. Used and unused diesel engine oils did not produce any carcinogenic effects in chronic mouse skin painting studies.

Oils that are used in gasoline engines may become hazardous and display the following properties: Carcinogenic in animal tests. Caused mutations in vitro. Possible allergen and photoallergen. Contains polycyclic aromatic compounds (PAC) from combustion products of gasoline and/or thermal degradation products.

#### Contains:

Synthetic base oils: Not expected to cause significant health effects under conditions of normal use, based on laboratory studies with the same or similar materials. Not mutagenic or genotoxic. Not sensitizing in test animals and humans.

The following ingredients are cited on the lists below: None.

#### —REGULATORY LISTS SEARCHED—

1 = NTP CARC  
2 = NTP SUS

3 = IARC 1  
4 = IARC 2A

5 = IARC 2B  
6 = OSHA CARC

## 12. ECOLOGICAL INFORMATION

The information given is based on data for the material, components of the material, or for similar materials, through the application of bridging principals.

### ECOTOXICITY

Material — Not expected to be harmful to aquatic organisms.

### MOBILITY

Base oil component — Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

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## 13. DISPOSAL CONSIDERATIONS

Disposal recommended based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

### DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Protect the environment. Disposal of used oil at designated sites. Minimize skin contact. Do not mix used oils with solvents.

### REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

### Empty Container Warning

Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably or licensed contractor and in accordance with government regulations. **DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

## 14. TRANSPORT INFORMATION

**LAND (DOT):** Not Regulated for Land Transport.

**LAND (TDG):** Not Regulated for Land Transport.

**SEA (IMDG):** Not Regulated for Sea Transport according to IMDG-Code.

**Marine Pollutant:** No.

**AIR (IATA):** Not Regulated for Air Transport.

## 15. REGULATORY INFORMATION

**OSHA HAZARD COMMUNICATION STANDARD:** This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

**Listed or exempt from listing/notification on the following chemical inventory:** AICA, DSL, ENCS, IECSC, KECI, TCSI, TSCA.

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA (311/312) REPORTABLE GHS HAZARD CLASSES:** None.

**SARA (313) TOXIC RELEASE INVENTORY:** This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

**The following ingredients are cited on the lists below:**

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**15. REGULATORY INFORMATION, Cont.**

Chemical Name	CAS Number	List Citations
PHOSPHORODITHIOIC ACID MIXED 0,0 BIS (1,3- DIMETHYLBUTYL AND ISO-	84605-29-8	15
SEVERELY HYDROTREATED HEAVY PARAFFINIC DISTILLATE	64742-54-7	17, 18, 19

## —REGULATORY LISTS SEARCHED—

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

Code key: CARC = Carcinogen; REPRO = Reproductive

**16. OTHER INFORMATION**

N/D = Not determined, N/A = Not Applicable

**KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (for information only):**

- H303:** May be harmful if swallowed; Acute Tox Oral, Cat 5  
**H315:** Causes skin irritation; Skin Corr/Irritation, Cat 2  
**H317:** May cause allergic skin reaction; Skin Sensitization, Cat 1  
**H318:** Causes serious eye damage; Serious Eye Damage/Irr, Cat 1  
**H373:** May cause damage to organs through prolonged or repeated exposure; Target Organ, Repeated, Cat 2  
**H401:** Toxic to aquatic life; Acute Env Tox, Cat 2  
**H411:** Toxic to aquatic life with long lasting effects; Chronic Env Tox, Cat 2  
**H413:** May cause long lasting harmful effects to aquatic life; Chronic Env Tox, Cat 4

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:** None.**Notice to Reader:**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted.