



## Material Safety Data Sheet

Material Name: Performance Plus Full Synthetic Motor Oil

ID: 820167

### \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Product Name**

Performance Plus Full Synthetic Motor Oil

Includes Grades 0W-20, 5W-20, 5W-30, 5W-40, 10W-30, dexos1 5W-20 and dexos1 5W-30

**Product Code**

Not available

**Product Use:** Blending of high performance fluid and liquid. If these products are used in combination with other products, refer to the Material Safety Data Sheet for those products.

**Synonyms:** Not available

Safety-Kleen Systems, Inc.  
2600 North Central Expressway  
Suite 400  
Richardson, TX 75080

Phone: 1-800-669-5740

Emergency # 1-800-468-1760  
[www.safety-kleen.com](http://www.safety-kleen.com)

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January 29, 2014

PREPARED BY: Product MSDS Coordinator      APPROVED BY: MSDS Task Force

### \*\*\* Section 2 - Hazardous Identification \*\*\*

**EMERGENCY OVERVIEW**

**Appearance**

Clear, colorless liquid

**Signal Word**

CAUTION!

**Physical Hazards**

None during normal use.

**Health Hazards**

May be harmful if swallowed.

May irritate eyes and skin.

**POTENTIAL HEALTH EFFECTS**

**Inhalation (Breathing)**

This product is not likely to present an inhalation hazard at normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, high concentrations of generated vapor may irritate the respiratory tract (nose, throat, and lungs).

**Eyes**

May cause irritation.

**Skin**

May cause irritation. Not likely to be absorbed through the skin in harmful amounts.

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## Ingestion (Swallowing)

May cause throat irritation, nausea, vomiting, and diarrhea. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

## Medical Conditions Aggravated by Exposure

Individuals with pre-existing respiratory track (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to exposure.

## Chronic

Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

## Cancer Information

No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY**.

## Environmental Hazards

Harmful to aquatic life. See **SECTION 12: ECOLOGICAL INFORMATION**.

### \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
Mixture	Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	25-30
Mixture	Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	25-30
Mixture	Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	25-30
Mixture	Mineral oil	14-16
68649-42-3	Zinc dialkyl dithiophosphate	1-2

## Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Oil mist, mineral.

### \*\*\* Section 4 - First Aid Measures \*\*\*

## Inhalation (Breathing)

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

## Eyes

If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention.

## Skin

Remove affected clothing and shoes. Wash skin with soap and water, Get medical attention if irritation or pain develops or persists. If product is injected under pressure into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, a physician should immediately evaluate the individual as a medical emergency. Wash contaminated clothing before use.

## Ingestion (Swallowing)

Do NOT induce vomiting. Immediately get medical attention. Call 1-800-468-1760 for additional information. If vomiting occurs, keep head lower than hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

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## Notes to Physicians

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

### Conditions of Flammability

Sparks or flame. Product may burn but does not ignite readily.

### Extinguishing Media

Carbon dioxide, regular dry chemical, regular foam, water spray.

### Protective Equipment For Firefighting

#### Fire Fighting Equipment/Instructions

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

### NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Fire and Explosion Hazards

Heated containers may rupture. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal.

Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Keep away from sparks and flames. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes.

### Shipping and Storing

Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame, sparks, static electricity, or other source of ignition. Empty product containers may retain product residue and can be dangerous.

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## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines

#### Component Exposure Limits

##### Mineral oil (Mixture)

<b>ACGIH:</b>	5 mg/m3 TWA (excluding metal working fluids, highly & severely refined, inhalable fraction, related to Oil mist, mineral)
<b>OSHA Final:</b>	5 mg/m3 TWA (related to Oil mist, mineral)
<b>OSHA Vacated:</b>	5 mg/m3 TWA (related to Oil mist, mineral)
<b>NIOSH:</b>	5 mg/m3 TWA (related to Oil mist, mineral) 10 mg/m3 STEL (related to Oil mist, mineral)

### Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

### Personal Protective Equipment: Respiratory

No respiratory protection is normally required. Use NIOSH-certified P- or R-series particulate filter and organic vapor cartridges when concentration of vapor or mist exceed applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

### Personal Protective Equipment: Eyes/Face

Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

### Personal Protective Equipment: Skin

Where skin contact is likely, wear chemical impervious gloves; use of natural rubber or equivalent gloves is not recommended. When product is heated and skin contact is likely, wear heat-resistance gloves, boots, and other protective clothing. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant face shield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

### Personal Protective Equipment: Personal Hygiene

Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard leather articles, such as shoes, saturated with this product.

### Other Personal Protective Equipment

Where spills and splashes are likely, facilities storing or using these products should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance/Odor :</b>	Clear colorless, liquid	<b>pH:</b>	Not available
<b>Odor Threshold:</b>	Not available	<b>Boiling Point:</b>	Not available
<b>Melting Point:</b>	Not available	<b>Solubility (H2O):</b>	Insoluble.
<b>Specific Gravity:</b>	Not available	<b>Density:</b>	0.8328 to 0.85 kg/L @ 59°F (15°C)
<b>Octanol/H2O Coeff.:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Molecular Weight:</b>	Not available	<b>Auto Ignition Temperature:</b>	Not available
<b>LFL:</b>	Not available	<b>Flash Point:</b>	>275°F (135°C)
<b>UFL:</b>	Not available	<b>Viscosity:</b>	Not available
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Decomposition Temperature:</b>	Not available		

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## Physical Properties: Additional Information

No information is available.

### \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

#### Stability

Stable at normal temperatures and pressure.

#### Incompatibility

Avoid oxidizing materials and reducing agents.

#### Reactivity

Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

#### Hazardous Decomposition Products

None under normal temperatures and pressures, See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

#### Conditions To Avoid

Avoid heat, sparks, flames, and other sources of ignition. Avoid contact with incompatible materials.

### \*\*\* Section 11 - Toxicological Information \*\*\*

#### Toxicity Data

##### Component Analysis - LD50/LC50

###### Mineral oil (Mixture)

Oral LD50 Rat >5000 mg/kg

#### Acute Effects

May cause skin and eye irritation. Inhalation of mist or vapors at elevated temperatures may cause respiratory irritation.

#### Repeated Dose Effects

Repeated or prolonged contact may cause dermatitis.

#### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

#### Target Organ Effects

No information on significant adverse effects.

#### Sensitization

No information available for the product.

#### Mutagenicity

No information available for the product.

#### Teratogenicity

No information available for the product.

### \*\*\* Section 12 - Ecological Information \*\*\*

#### Ecotoxicity

Harmful to aquatic life

##### Component Analysis - Ecotoxicity - Aquatic Toxicity

###### Mineral oil (Mixture)

###### Duration/Test/Species

96 Hr LC50 Lepomis macrochirus

###### Concentration/Conditions

>10000 mg/L

###### Notes

###### Zinc dialkyl dithiophosphate (68649-42-3)

###### Duration/Test/Species

96 Hr LC50 Pimephales promelas

96 Hr LC50 Pimephales promelas

48 Hr EC50 Daphnia magna

###### Concentration/Conditions

1.0 - 5.0 mg/L [static]

10.0 - 35.0 mg/L [semi-static]

1 - 1.5 mg/L

###### Notes

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## Persistence/Degradability

No information available for the product.

## Bioaccumulation/Accumulation

No information available for the product.

## Mobility in Environmental Media

No information available for the product.

## Other Adverse Effects

No additional information available.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Disposal Instructions

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

### US EPA Waste Number & Descriptions

This product, if discarded, is not expected to be a characteristic or listed hazardous waste. If recycled in the USA, this product can be managed in accordance with the used oil exemption under 40 CFR Part 279. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

## \*\*\* Section 14 - Transportation Information \*\*\*

### Emergency Response Guide Number

Not applicable

**DOT** Not regulated.

**TDG** Not regulated.

### IATA Information

Not regulated as dangerous goods.

### IMDG Information

Not regulated as dangerous goods.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### Volatile Organic Compounds (As Regulated)

Negligible; As per 40 CFR Part 51.100(s)

### SARA Sections 311/312

This product poses the following health hazard(s) as defined in 40 CFR Part 370 and is subject to the requirements of Sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

### SARA 302/304

#### Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

### SARA Section 313

#### Component Analysis

This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

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## CERCLA

### Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

## TSCA

All the components of this product are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.

### Component Analysis

Component	CAS #	TSCA
Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	Mixture	Yes
Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	Mixture	Yes
Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	Mixture	Yes
Mineral oil	Mixture	Yes
Zinc dialkyl dithiophosphate	68649-42-3	Yes

## U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	MA	MN	NJ	PA	CA
Mineral oil (related to: Oil mist, mineral)	Mixture	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

## Canadian Regulations

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

### Component Analysis

Component	CAS #	CAN
Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	Mixture	DSL
Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	Mixture	DSL
Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	Mixture	DSL
Mineral oil	Mixture	DSL
Zinc dialkyl dithiophosphate	68649-42-3	DSL

## Canadian WHMIS Information

Not regulated.

## Canadian Environmental Protection Act (CEPA)

All the components of this product are listed on, or are automatically included as "substance occurring in nature" on, or are exempted from the requirements to be listed on, the Canadian Domestic Substances List (DSL).

## \*\*\* Section 16 - Other Information \*\*\*

### Label/Other Information

Not available.

### Revision Information

Addition of grade 5W-40.

### Disclaimer

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplier to the user.