

**PERFORMANCE PLUS/AMERICA'S CHOICE
AUTOMATIC TRANSMISSION FLUIDS
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA**



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PERFORMANCE PLUS AUTOMATIC TRANSMISSION FLUIDS
AMERICA'S CHOICE AUTOMATIC TRANSMISSION FLUIDS

SYNONYMS: Petroleum oil; Lube oil; Petroleum hydrocarbon; Lubricant.

PRODUCT CODE: Prefix 24

PRODUCT USE: For lubrication of automatic and power-shift transmissions.
If these products are used in combination with other products, refer to the Material Safety Data Sheet for those products.

This number is for emergency use only. If you desire non-emergency product information, please call a phone number listed below.

**24-HOUR EMERGENCY PHONE NUMBER
MEDICAL AND TRANSPORTATION (SPILL):**

1-800-468-1760

SUPPLIER: Safety-Kleen Systems, Inc.
2600 North Central Expressway
Suite 400
Richardson, Texas 75080
USA
1-800-669-5740
www.Safety-Kleen.com

TECHNICAL INFORMATION: 1-800-669-5740 Press 1 then 1, then Extension 7500

MSDS FORM NUMBER: 82492

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PREPARED BY: Product MSDS Coordinator

APPROVED BY: MSDS Task Force

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SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE

Amber liquid, petroleum odor.

CAUTION!

HEALTH HAZARDS

May irritate the eyes and skin.
May be harmful if swallowed.

OSHA Regulated Chemicals

No information is available.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): These products are not likely to present an inhalation hazard at normal temperatures and pressures. However, when aerosolizing, misting, or heating these products, high concentrations of generated vapor or mist 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. Prolonged contact with this product may cause allergic skin sensitization reactions.

INGESTION (SWALLOWING): May be harmful if swallowed. May cause throat irritation, nausea, vomiting, central nervous system effects as noted under **INHALATION (BREATHING)**, unconsciousness, coma, and death. Aspiration hazard: 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 tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of 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**.
Also see **SECTION 15: CALIFORNIA**.

POTENTIAL ENVIRONMENTAL EFFECTS

Not available. Also see **SECTION 12: ECOLOGICAL INFORMATION**.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Component	Synonym	Wt. Percent
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	Hydrotreated paraffinic base oil	55-95
Mixture*	Mixture of severely hydrotreated and hydrocracked base oil (petroleum)*	Not available	0-30**
Proprietary	Substituted alkyl phosphate (Canadian Reg #5624)	Not available	0.1-1

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Oil mist, mineral (8012-95-1).

*Mixture includes the following CAS numbers 8042-47-5, 64742-46-7, 64742-52-5, 64742-54-7, 72623-84-8, 72623-85-9, 72623-86-0, 72623-87-1, 178603-63-9, 178603-64-0, 178603-65-1, and 178603-66-2.

**Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

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 thoroughly 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.

**INGESTION
(SWALLOWING):**

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

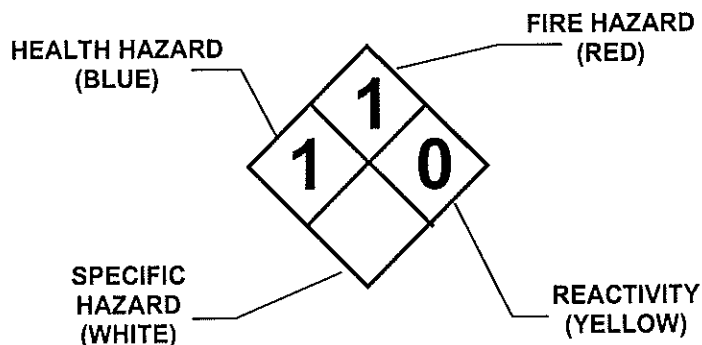
**NOTE TO
PHYSICIANS:**

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

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SECTION 5: FIRE FIGHTING MEASURES

HAZARDOUS COMBUSTION PRODUCTS:	Decomposition and combustion materials may be toxic. Burning may produce oxides of sulfur, phosphorus and nitrogen, hydrogen sulfide, alkyl mercaptans, sulfides, aldehydes, carbon dioxide, carbon monoxide and other unidentified organic compounds.
CONDITIONS OF FLAMMABILITY:	Sparks or flame. Products may burn, but do not ignite readily.
PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.
EXTINGUISHING MEDIA:	Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.
NFPA 704 HAZARD IDENTIFICATION:	This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS:	Keep storage containers cool with water spray.
FIRE AND EXPLOSION HAZARDS:	Heated containers may rupture. "Empty" containers may retain residue and can be dangerous. Products are 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 absorb with compatible sorbent material and shovel with a clean tool into a sealable container for disposal.

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

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SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. These products have a low vapor pressure and are not expected to present an inhalation hazard under normal temperatures and pressures. However, aerosolizing, misting, or heating these products, 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 heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE GUIDELINES:
Component Exposure Limits**

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)
ACGIH: 5 mg/m³ TWA (sampled by method that does not collect vapor) (related to Oil mist, mineral)
10 mg/m³ STEL (sampled by method that does not collect vapor) (related to Oil mist, mineral)
OSHA Final: 5 mg/m³ TWA (related to Oil mist, mineral)
OSHA Vacated: 5 mg/m³ TWA (related to Oil mist, mineral)
NIOSH: 5 mg/m³ TWA (related to Oil mist, mineral)
10 mg/m³ STEL (related to Oil mist, mineral)

Mixture of severely hydrotreated and hydrocracked base oil (petroleum) (Mixture)
ACGIH: 5 mg/m³ TWA (sampled by method that does not collect vapor) (related to Oil mist, mineral)
10 mg/m³ STEL (sampled by method that does not collect vapor) (related to Oil mist, mineral)
OSHA Final: 5 mg/m³ TWA (related to Oil mist, mineral)
OSHA Vacated: 5 mg/m³ TWA (related to Oil mist, mineral)
NIOSH: 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.

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PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds 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 Z94.4.

EYE PROTECTION: Where eye contact is likely, wear safety glasses.

SKIN PROTECTION: Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended.

To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

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 affected clothing, shoes, and/or protective equipment if they cannot be thoroughly cleaned. Discard leather articles, such as shoes, saturated with these products. Launder contaminated clothing before reuse.

OTHER 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 AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR:	Amber liquid, petroleum odor.
ODOR THRESHOLD:	Not available
MOLECULAR WEIGHT:	Not applicable
SPECIFIC GRAVITY:	0.86 (water = 1) (approximately)
DENSITY:	7.2 LB/US gal (860 g/l) (approximately)
VAPOR DENSITY:	Not available
VAPOR PRESSURE:	less than 0.1 mmHg at 68°F (20°C)
BOILING POINT:	475°F (246°C) (minimum)
FREEZING/MELTING POINT:	Not available [pour point -44°F (-42°C) (maximum)]
pH:	Not applicable
EVAPORATION RATE:	Not available

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SOLUBILITY IN WATER: Insoluble
FLASH POINT: 352°F (178°C) Cleveland Open Cup
FLAMMABLE LIMITS IN AIR: LOWER: Not available
UPPER: Not available
AUTOIGNITION TEMPERATURE: Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.
CONDITIONS TO AVOID: Avoid sparks or flame and incompatible materials.
INCOMPATIBILITY: Avoid acids, alkalis, oxidizing agents, reducing agents, halogens and halogenated compounds. Avoid sparks and flame.
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.**

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY DATA:
Component Analysis - LD50/LC50
Lubricating oils, petroleum, hydrotreated spent (64742-58-1)
Oral LD50 Rat >2000 mg/kg
Dermal LD50 Rat >2000 mg/kg
Dermal LD50 Rabbit >4480 mg/kg
Mixture of severely hydrotreated and hydrocracked base oil (petroleum) (Mixture)
Inhalation LC50 Rat 4.6 mg/L 4 h
Oral LD50 Rat 7400 mg/kg
Dermal LD50 Rabbit >2000 mg/kg

ACUTE EFFECTS: These products are not likely to present an inhalation hazard at normal temperatures and pressures. However, when aerosolizing, misting, or heating these products, high concentrations of generated vapor or mist may irritate the respiratory tract (nose, throat, and lungs). May cause eye irritation. May cause skin irritation. Not likely to be absorbed through the skin in harmful amounts.

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REPEATED DOSE EFFECTS:

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).

Substituted alkyl phosphite may cause skin sensitization. Based on best current information, the other components listed in SECTION 3 are not sensitizers.

Experimental evidence suggests that this product does not cause mutagenesis.

Based on best current information, there is no known reproductive toxicity associated with this product.

Based on best current information, there is no known teratogenicity associated with this product.

CARCINOGENICITY:

Based on best current information for the components in SECTION 3, there is no known carcinogenicity as categorized by ACGIH A1 or A2 substances; as categorized by IARC Group 1, Group 2A, or Group 2B agents; or as listed by NTP as either known carcinogens or substances for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

Also see SECTION 15: CALIFORNIA.

TARGET ORGAN EFFECTS:

Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:

Based upon component, product is expected to harmful to aquatic life.
Component Analysis - Ecotoxicity - Aquatic Toxicity

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Test & Species	Results	Conditions
96 Hr LC50 Brachydanio rerio	79.6 mg/L	semi-static
96 Hr LC50 Pimephales promelas	3.2 mg/L	semi-static

Mixture of severely hydrotreated and hydrocracked base oil (petroleum) (Mixture)

Test & Species	Results	Conditions
96 Hr LC50 Pimephales promelas	35 mg/L	flow-through
96 Hr LC50 Pimephales promelas	>10000 mg/L	static

**PERSISTENCE/
DEGRADABILITY:**

No information available for the product.

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**BIOACCUMULATION/
ACCUMULATION:** No information available for the product.

**MOBILITY IN
ENVIRONMENTAL
MEDIA:** No information available for the product.

**OTHER ADVERSE
EFFECTS:** Not available.

**OCTANOL/WATER
PARTITION
COEFFICIENT:** Not available

**VOLATILE ORGANIC
COMPOUNDS:** Negligible.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: 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.

**USEPA WASTE
CODE(S):** These products, if discarded, are not expected to be a characteristic or listed hazardous waste. If recycled in the USA, they must be managed in accordance with 40 CFR Part 279. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of these products.

SECTION 14: TRANSPORT INFORMATION

DOT: Shipping Name: Not regulated as a hazardous material.

TDG: Shipping Name: Not regulated as a dangerous good.

**EMERGENCY RESPONSE GUIDE
NUMBER:** Not applicable.

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

OSHA OSHA Regulated Chemicals
No information is available.

**SARA SECTIONS 302
AND 304:** Based on the ingredients listed in **SECTION 3**, these products do 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.

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- SARA SECTIONS 311 AND 312:** These products pose the following health hazards as defined in 40 CFR Part 370 and are 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 SECTION 313:** This product does contain "toxic" chemical(s) 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.
- CERCLA:** Based on the ingredients listed in SECTION 3, these products do not contain any "hazardous substances" listed pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.
- TSCA:** All the components of these products 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.
- CALIFORNIA:** These products may contain a detectable amount of arsenic CAS 7440-38-2, benzene CAS 71-43-2, cadmium CAS 7440-43-9 and lead CAS 7439-92-1 from additives. These products may contain a detectable amount of benzo(a)anthracene CAS 56-55-3, benzo(b)fluoranthene CAS 205-99-2, benzo(k)fluoranthene CAS 207-08-9, benzo(a)pyrene CAS 50-32-8, chrysene CAS 218-01-9, dibenz(a,h)anthracene CAS 53-70-3 and indeno(1,2,3-cd)pyrene CAS 193-39-5. **WARNING:** These chemicals are known to the State of California to cause cancer. Our testing of these products indicates that these chemicals are not always detectable.
- These products may contain a detectable amount of arsenic CAS 7440-38-2, benzene CAS 71-43-2, cadmium CAS 7440-43-9, lead CAS 7439-92-1 and toluene CAS 108-88-3 from additives. **WARNING:** These chemicals are known to the State of California to cause birth defects or other reproductive harm.

CANADIAN REGULATIONS

These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR. These products contains a proprietary component (substituted alkyl phosphite) that is registered with Canada (registration number is 5624).

- CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):** All the components of these products 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).

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SECTION 16. OTHER INFORMATION

REVISION INFORMATION:	This MSDS has been revised in the following sections: Section 1 (Dates/Address), Section 7 (Handling)
LABEL/OTHER INFORMATION:	Not available.

User assumes all risks incident to the use of this (these) product(s). 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 express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.