



Material Safety Data Sheet

Material Name: PERFORMANCE PLUS LT PROCESS OIL 12, 43

ID: 820133

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

Product Code: 33LP12XXC1, 33LP43XXC1

Product Use: Process oil is a base oil for formulating lubricants and process products. Form Release Oil is a form release agent. Dedusting Oil is a spray oil used in the manufacture of sorbents.

If this product is used in combination with other products, refer to the Material Safety Data Sheets for those products.

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

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Emergency # 1-800-468-1760

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APPROVED BY: MSDS Task Force

*** Section 2 - Hazardous Identification ***

EMERGENCY OVERVIEW

Appearance

Amber liquid, petroleum odor.

Signal Word

CAUTION!

Health Hazards

May be harmful if swallowed.

May irritate the eyes and skin.

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.

Ingestion (Swallowing)

May be harmful if swallowed. May cause throat irritation, nausea, vomiting, and diarrhea. 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).

Material Safety Data Sheet

Material Name: PERFORMANCE PLUS LT PROCESS 12, 43

ID: 820133

Cancer Information

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

Also see SECTION 15: CALIFORNIA.

Environmental Hazards

Not available. Also see SECTION 12: ECOLOGICAL INFORMATION.

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

CAS	Component	Percent
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	99.8

*** 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.

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 nitrogen oxides, sulfur oxides, carbon monoxide, and unidentified organic compounds.

Conditions of Flammability

Sparks or flame. Products may burn, but do not ignite readily.

Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.

Protective Equipment For Firefighting

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

Fire Fighting Equipment/Instructions

Keep storage containers cool with water spray.

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. Products are not sensitive to mechanical impact or static discharge.

Material Safety Data Sheet

Material Name: PERFORMANCE PLUS LT PROCESS 12, 43

ID: 820133

*** 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 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, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. 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 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

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of the components of these products.

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 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. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

Personal Protective Equipment: Eyes/Face

Wearing safety glasses is recommended. Contact lenses may be worn with eye protection.

Personal Protective Equipment: Skin

Not necessary with normal use. Where prolonged or repeated skin contact is likely, wear chemical impervious protective gloves; use of natural rubber or equivalent gloves is not recommended.

When product is heated and skin contact is likely, wear heat-resistant gloves, boots, and other protective clothing.

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

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.

Material Safety Data Sheet

Material Name: PERFORMANCE PLUS LT PROCESS 12, 43

ID: 820133

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

Appearance/Odor : Amber liquid, petroleum odor.	pH: Not applicable.
Boiling Point: 475°F (246°C) (minimum)	Melting Point: Not available [pour point 16°F (-9°C) (maximum)]
Solubility (H2O): Insoluble.	Specific Gravity: 0.87 (water = 1) (approximately)
Density: 7.3 LB/US gal (870 g/l) (approximately)	Octanol/H2O Coeff.: Not available.
Evaporation Rate: Not available.	Molecular Weight: Not applicable.
Odor Threshold: Not available.	Auto Ignition: Not available
LFL: Not available	Flash Point: 356°F (180°C) (minimum) Cleveland Open Cup
UFL: Not available	Flash Point Method: Cleveland Open Cup
Vapor Density: Not available.	Vapor Pressure: less than 0.1 mm Hg at 68°F (20°C)

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

Stability

Stable under normal temperatures and pressures.

Incompatibility

Avoid acids, bases, or oxidizing 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 sparks, or flame.

*** Section 11 - Toxicological Information ***

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

Acute Effects

May be harmful if swallowed. May irritate the eyes and skin. May cause nausea, vomiting, and diarrhea.

Aspiration hazard: breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

Carcinogenicity

Component Carcinogenicity

None of the components of these products are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Sensitization

Based on best current information, there is no known human sensitization associated with these products.

Mutagenicity

Based on best current information, there is no known mutagenicity associated with these products.

Reproductive Toxicity

Based on best current information, there is no known reproductive toxicity associated with these products.

Teratogenicity

Based on best current information, there is no known teratogenicity associated with these products.

Toxicologically Synergistic Products

Based on best current information, there are no known toxicological synergistic products associated with these products.

Material Safety Data Sheet

Material Name: PERFORMANCE PLUS LT PROCESS 12, 43

ID: 820133

*** Section 12 - Ecological Information ***

Ecotoxicity

Not available.

Component Analysis - Ecotoxicity - Aquatic Toxicity

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

Duration/Test/Species

96 Hr LC50 Brachydanio rerio

96 Hr LC50 Pimephales promelas

Concentration/Conditions/Notes

79.6 mg/L [semi-static]

3.2 mg/L [semi-static]

Persistence/Degradability

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

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 - Transportation Information ***

Emergency Response Guide Number

Not applicable Reference *.North American Emergency Response Guidebook*

DOT Shipping Name: Not regulated as a hazardous material.

TDG Shipping Name: Not regulated as a dangerous good.

*** Section 15 - Regulatory Information ***

Volatile Organic Compounds (As regulated)

Negligible (As per 40 CFR 51.100(s))

SARA Sections 311/312

These products pose the following health hazard(s) 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 302/304

Component Analysis

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.

SARA Section 313

These products do not 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.

Component Analysis

These products do 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.

Material Safety Data Sheet

Material Name: PERFORMANCE PLUS LT PROCESS 12, 43

ID: 820133

CERCLA

Component Analysis

These products do 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 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.

Component Analysis

Component	CAS #	TSCA
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	Yes

California

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

Component Analysis - State

None of the components of these products are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

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
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	DSL

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

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

New issue MSDS.

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, or 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.

End of Sheet 820133