Safety Data Sheet

Name of Product: ***POWERMIGHT TYPE II MINERAL OIL***

The information in this SDS was obtained from current and reputable sources. However, the data provided is without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury damage or expense resulting from improper use of this product.

Section 1 - Identification

Manufacturer's Name: Signal Fluid Solutions	**Emergency Telephone Number:** **U.S./Can 1-800-424-9300 Outside of U.S. 1-703-527-3887**
Address: 3403 Niki Way Riverside, CA 92507	**Telephone Number for Information:** **1-951-784-3900**
	Last Revision: December 2023
IDENTITY: Distillate, Petroleum **Product Description:** Transformer oil not intended to be used as fuel For specific application advice, see appropriate Technical Data Sheet.	 **Aspiration Toxicity** **GHS Classification: 1, K. Viscosity < = 20.5 mm2/s @ 40 ° C** **Health: 1** **Fire: 1** **Reactivity: 0** **PPE: Gloves, Safety Glasses**

Section 2 – Hazards Identification

Route(s) of Entry:	**Inhalation?** Yes	**Skin?** Yes	**Ingestion?** Yes

Health Hazards *(Acute and Chronic)*

Skin Contact - Repeated and prolonged skin contact may cause irritation and dermatitis.

Eye Contact - Irritating to the eyes causing irritation, redness, and tearing. Exposure to high concentration of vapors may be irritating to the eyes.

Ingestion - May be harmful if swallowed. May cause nausea, dizziness and headache. If swallowed Do Not Induce Vomiting, call a physician.

Inhalation – Aspiration Toxicity, Kinematic Viscosity =<20.5 mm2/s @ 40 °C GHS Category 1

Medical Conditions Generally Aggravated by Exposure:

This product may aggravate pre-existing skin, eye and respiratory disorders.

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Section 3 – Composition/Information on Ingredients

CHEMICAL FAMILY: DISTILLATE (PETROLEUM) HYDROTREATED LIGHT NAPHTHENIC

Component (S)	Cas No.	WT %
Distillates, Petroleum, Hydrotreated Light Naphthenic	**64742-53-6**	➢ 99
2, 6-Di-t butyl-p—cresol (BHT)	**128-37-0**	< 1

Section 4 – First Aid Measures

Emergency and First Aid Procedures:

In all cases of doubt, or when symptoms persist, seek medical attention.

Skin Contact Wash affected area with soap and water for at least 15 minutes and remove contaminated clothing.
Eyes Immediately flush with water for at least 15 minutes. Seek medical attention immediately. Preferably from an eye specialist.
Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.
Ingestion DO NOT induce vomiting. **Seek medical attention immediately**. Have victim drink large amounts of water. DO NOT GIVE LIQUIDS TO A DROWSY, CONVULSING OR UNCONSCIOUS PERSON. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Transport to nearest medical facility for additional treatment. **Inhalation** Move to fresh air. Keep the victim lying down, quiet and warm. **Seek medical attention immediately**. If breathing is difficult, administer oxygen until the victim is able to breathe on his or her own without difficulty. If breathing stops provide artificial respiration immediately. Do not give stimulants unless advised by a physician.

Section 5 – Firefighting Measures

FLASH POINT, COC ° = 293 °F MINIMUM

Extinguishing Media: Water fog, foam, dry chemicals or Carbon Dioxide. Use a water spray or fog to cool the containers exposed to the heat of a fire. Do not use water jets.

Special Fire Fighting Procedures: Fire fighters should wear full protective equipment, including self-contained breathing apparatus (SCBA).

Hazardous Combustion: Incomplete combustion can generate Carbon Monoxide. Normal combustion forms Carbon Dioxide and water vapor, and may produce oxides of sulfur and nitrogen.

Unusual Fire and Explosion Hazards: In a fire or if heated, a pressure increase will occur and the container may burst.

Section 6 – Accidental Release Measures

Protective Measures: Put on appropriate personal protective equipment. Wear safety glasses, rubber gloves. Tyvek type overalls and rubber boots are recommended.
Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in exposure control and personal protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
Reporting: Prevent product from entering sewers, rivers or other bodies of water. Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at 800 424-8802 as appropriate or required.

Section 7 - Handling and Storage

Waste Disposal Method: Dispose of in accordance with local, state, and federal laws. **Avoid release to the environment.**
Precautions to be taken in handling: Wear safety glasses, rubber gloves. Tyvek type overalls and rubber boots are recommended Avoid fire, sparks or open flame. Do not ingest. Do not breath dust/fume/gas/vapors/spray. Do not get on eyes, skin or clothes.
Precautions to Be taken in Storage: Keep container tightly closed. And store in a well-ventilated area. Store separately from oxidizing agents.
Other Precautions: Prevent the risk of slipping. Use and store only outdoors or in a well-ventilated area. Empty containers retain product residue and can be hazardous.

Section 8 – Exposure Control and Personal Protection

General Considerations: If operating conditions create airborne concentrations that exceed the exposure standard for this product, the use of an approved NIOSH/OSHA respirator for organic vapors or air supplied breathing equipment is recommended.	
Engineering Controls: Use in a well-ventilated area.	
Avoid fire, sparks or open flames.	**Personal Protection:** Glasses/Goggles or full-face shield. Rubber gloves, Tyvek type coveralls and rubber boots
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Work/Hygienic Practices: Always wash your hands after handling chemicals. Never wear contaminated clothing.	

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	CAS# 64742-53-6 CAS# 128-37-0	
ACGIH TLV-TWA (8 hours)	5 mg/m3 (As oil mist)	5 mg/m3 (Nuisance Particulates)
CAL-OSHA PEL - TWA (8 hours)	5 mg/m3 (As oil mist)	2 mg/m3 (Inhalable aerosol and /or vapor)
Other limits recommended	None	10 mg/m3

Section 9-Physical and Chemical Properties

Evaporation rate (Ether =1)	< 1	**Specific Gravity**	0.88
Flash Point	293 °F Minimum	**Melting Point**	-40 ° F Max
Initial Boiling Point	560 °F	**Vapor Pressure mm Hg @ 100 ° F**	< 0.1
Kinematic Viscosity mm2/seg @ 40 ° C	9.63	**Vapor Density (Air = 1)**	4
Appearance and Odor	Clear Colored Liquid, Petroleum Odor		

Section 10-Stability and Reactivity

Stability	Unstable		
	Stable	X	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Hazardous Decomposition or Byproducts: Incomplete combustion can produce a complex mixture of airborne particulates, Carbon Monoxide, Sulfur oxides and unidentified organic and inorganic compounds.			
Hazardous Polymerization	May Occur		
	Will Not Occur	X	Hazardous polymerization is not known to occur.

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Section 11-Toxicological Information

Immediate Health Effects: Harmful if swallowed, Aspiration Hazard.	
Eye Irritation	Mild Irritant
Skin Irritation	Mild Irritant
Acute Oral Toxicity	Low order of acute toxicity
Acute Inhalation Toxicity	**Aspiration Toxicity**
ACGIH, IARC	This product is not listed as carcinogenic.
NPT - Carcinogenicity	This product is not listed as carcinogenic.
OSHA - Carcinogenicity	This product is not listed as carcinogenic

Section 12-Ecological Information:

Ecotoxicity	No mortality or other adverse reactions to the exposures during or after 96 hours.
Persistence & Degradability	Direct photolysis will not contribute to a measurable degradative removal of chemical components in this category from the environment.
Mobility in Soil	There is no data available
Aquatic Release	Advise authorities if product has entered or may enter watercourses or sewer drains.
Other adverse effects	No data available

Section 13-Disposal Considerations:

Waste should not be discarded untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

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Safe Handling Information	**Protective Gloves:** Nitrile/Vinyl/Rubber **Eye Protection:** Glasses/Goggles (Recommended). **Respiratory Protection:** No respiratory equipment is normally required. If operations generate oil mist, determine if exposure is below occupational exposure limits. If not, wear approved respirators that provide for particulate removal cartridges. **Work/Hygienic Practices:** Always wash your hands after handling chemicals. Never wear contaminated clothing**.**
Waste Disposal Method	Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. DOT regulations may apply for transporting this material when spilled. Waste material may be landfilled or incinerated at an approved facility.

Section 14-Transport Information

USA DOT	Not regulated as a hazardous material for transportation.

Section 15-Regulatory Information

CERCLA: This product is not a hazardous substance under CERCLA		
TSCA Registry	**Listed**	
SARA TITLE III, 302/304: This product is not listed as an extremely hazardous substance in 40 CFR Part 355, and is not known to contain an extremely hazardous substance in a concentration greater than one percent by weight.		
SARA TITLE III, 311/312:	Acute Health Hazard/Chronic Health Hazard	No/No
	Fire Hazard	No
	Pressure Release Hazard	No
	Reactivity Hazard	No
SARA TITLE III, 313:	This product is not known to contain any components in concentrations above OSHA *de minimus* levels that are listed as toxic in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA.	

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WHMIS	Listed
OSHA	29 CFR 1910.1200 (Hazard Communication) required
STATE REGULATIONS	Distillate, Petroleum, Hydrotreated Light Naphthenic appears on the following state list. MA

Section 16 – Other Information

This mixture may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secrets are used, Signal Fluid Solutions must rely upon the hazard evaluation of such components submitted to Signal Fluid Solutions by that product's importer or manufacturer.
Signal Fluid Solutions makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Signal Fluid Solutions as to the effects of such use, the results to be obtained or the safety and toxicity of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.