

SPEEDPLUS SSEP 2040

Semi-Synthetic Lubrication Fluid

Product Description

A family of heavy duty semi synthetic (SSEP) range of lubricating oils formulated to meet the critical requirements of No-Twist Rod Mills, SPEEDPLUS SSEP 2040 oils is suitable for all types of Morgan No- Twist Rod Mill lubrication systems for bearings, gears, adjusting screws, etc. and circulating systems for back up roll bearings of rolling mills, heavy duty stone processing unit and printing machines. It is suitable for the applications where extreme pressure, anti-wear properties, water resistant properties along with excellent lubricity is required. SPEEDPLUS SSEP 2040 is developed from mineral base oil, synthetic PAO and several other additives to impart EP, anti-wear, lubricity and anti-oxidant properties.

Applications

- This non-detergent lubricant is good for anti-corrosion
- Good demulsibility for rapid water separation
- Resistance to foaming and good filterability.
- High oxidation stability resulting in longer lubricant life.
- Outstanding extreme pressure load-carrying properties with EP additives as evaluated in laboratory tests and confirmed in field service.
- Increased oxidation and thermal stability protect from formation of sludge and deposits, even at high bulk oil temperature up to 300°C

- Increased protection against rust and corrosion for metals used in gear sets.
- Longer lubricant charge life, reduced oil change labour costs, less down time, reduced lubricant and lubrication costs Lower operating costs, higher productivity and longer component life.
- Good for high-speed spindles.

Typical Properties

SPEEDPLUSSEP2040	
Color	Red
Base Oil	Mineral + PAO
Viscosity, ASTM D 445 cSt @40°C cSt@100°C	155 15.50
Viscosity Index, ASTM D2270	115
Sulfated Ash, wt%, ASTM D874	0
Pour Point, °C, ASTM D97	-10
Flash Point, °C, ASTM D 92	250
Density@29.5°C, gm/cc ASTM D4052	0.8869

Recommended for use

- Stone processing and mining industries
- Linear Polish Machines
- Multi Blade Cutter Machine

Available Packs: 20, 50, 210 Ltr.

Shelf Life: 36 Months from manufacturing month

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

*All related specifications are meets or exceeds.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SPEEDPLUS SSEP 2040

Company Identification -PETRELPLUS INC.

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2.COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of mineral oils, SYNTHETIC PAO and additives.

3. HAZARDS IDENTIFICATION

This material is not considered to be hazardous according to regulatory guidelines.

POTENTIAL HEALTH EFFECTS

Sensitizing substances; allergic reactions possible.

ENVIRONMENTAL HAZARDS No specific risk for the environment.

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

4. FIRST AID MEASURES

INHALATION Move to fresh air. Call a doctor if you feel unwell.

SKIN CONTACT Wash contact areas with soap and water. Remove contaminated clothing and shoes. Never use kerosene or gasoline for cleaning the skin.

EYE CONTACT Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.

INGESTION Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if discomfort occurs.

Most important symptoms and effects, both acute and delayed:

Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision.

5. FIRE FIGHTING MEASURES**EXTINGUISHING MEDIA**

Appropriate Extinguishing Media: Use water spray, fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

FIRE FIGHTING: Wear self-contained breathing apparatus, rubber boots and thick rubber gloves. Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Avoid fire-fighting water to enter environment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

See Section 8 of the SDS for Personal Protective Equipment. Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Wear suitable protective clothing, gloves and eye or face protection. Remove ignition sources.

Methods and material for containment and cleaning up:

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

Environmental Precautions: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

7. HANDLING AND STORAGE**HANDLING**

Keep away from sources of ignition. No naked lights. No smoking. Use only in well-ventilated areas. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with soap and water before leaving work.

STORAGE

Store this product in a dry location where it can be protected from the elements. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame, strong oxidizers, radiations, and other initiators. Keep at temperature not exceeding 50°C

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

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

ENGINEERING CONTROLS

The level of protection and types 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 respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types

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of respirators to be considered for this material include: No protection is ordinarily required under normal conditions of use and 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.

Hand Protection: Any specific glove information provided is based on published literature and glove manufacturer data. Work conditions can greatly effect glove durability; inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include: 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: Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

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 See Sections 6, 7, 12, 13.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below.

GENERAL INFORMATION

Type: Semi-Synthetic Fluid

Base Oil: Mineral + PAO

Relative Density (at 29.5°C): 0.8869

Base oil viscosity at 40°C, cst : 155

Flash Point, °C: 250

10. STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Extremely high or low temperatures.

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Inhalation: Inhalation of vapors may cause respiratory irritation.

Skin Contact: Prolonged or repeated skin contact with the material will remove natural oils and could lead to a dermatitis.

Eye contact: Slight eye irritant upon direct contact.

Information on toxicological effects:

acute toxicity- No specific toxicity data on this product available.

Irritation- Not expected to be an irritant to eyes or skin. Inhalation of fumes or vapours may cause respiratory irritation.

Sensitisation- Repeated exposure may cause sensitization due to an allergic reaction of the skin.

Carcinogenicity- This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

12. ECOLOGICAL INFORMATION

This product has not been evaluated for ecological toxicity or other environmental effects.

Persistence and degradability- Major components are inherently biodegradable.

Mobility in soil- It is to be expected small mobility in soil. Some or a few components may get into the soil and may cause pollution of ground water. Product spreads on the water surface.

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations, must be applied.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Waste Code European Waste List- 13 02 05 - mineral-based non-chlorinated engine, gear and lubricating oils. 15 01 10 - packaging containing residues of or contaminated by dangerous substances.

DISCLAIMER/USER'S RESPONSIBILITY: PETRELPLUS INC. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must Exercise their independent judgment in determining its appropriate use.

14. TRANSPORT INFORMATION

DOT Not Regulated by any means of transportation

TDG Not Regulated

IATA-DGR Not Regulated

IMO / IMDG Not Regulated

15. REGULATORY INFORMATION

Australian Inventory of Chemical Substances (AICS)

All components are in compliance with chemical notification requirements in Australia

Canadian Environmental Protection Act (CEPA)

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All components are in compliance with the Canadian Environmental Protection Act (CEPA) and are present on the Domestic Substances List (DSL).

European Inventory of Existing Commercial Chemical Substances (EINECS)

All components listed.

USA Toxic Substances Control Act (TSCA)

All components of this material are on the US TSCA Inventory or are exempt.

Water Hazard Classification (Germany): Water Hazard Class: 1 - low hazard to waters

16. OTHER INFORMATION: PRODUCT SAFETY

For safety reasons, it is IMPERATIVE that customer: - Ensure that all those within their control who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions or warning.