

## SAFETY DATA SHEET

OSHA HCS (29 CFR § 1910.1200) & UN GHS Classification

### SECTION 1: IDENTIFICATION

**Product Name:** BULL FROG™ “COOL LUBE” VACUUM OIL  
**Synonyms:** White Mineral Oil, Polyoxpropylene(15) Stearyl Ether, Paraffinum Perliquidum (U.K.)  
**CAS Number:** See Section 3  
**Product Use:** Semi-Synthetic lubricant for industrial vacuum equipment with an anti-foaming agent  
**Manufacturer/Supplier:** Bull Frog™ Motor Division  
441 19<sup>th</sup> Street SE  
Hickory, NC 28602  
**General Information:** 800-328-2335  
**Transportation Emergency Number:** 800-328-2335

### SECTION 2: HAZARD(S) IDENTIFICATION

**GHS CLASSIFICATION:** This product is considered not hazardous under OSHA HCS (29 CFR 1910.1200) (Hazard Communication)

**Symbols:** None

#### 2.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Liquid

**Odor, Color, Grade:** Clear, slight yellow color with slight almond scent

**General Physical Form:** Liquid

**Immediate health, physical and environmental hazards:** None

#### 2.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:** Mild Eye Irritation. Signs/symptoms may include redness, tearing, blurred or hazy vision.

**Skin Contact:** Mild Skin Irritation: Signs/symptoms may include localized redness, itching and dryness.

**Inhalation:** No effect.

**Ingestion:** Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

#### 2.3 POTENTIAL ENVIRONMENTAL EFFECTS

**AQUATIC TOXICITY:** None

**ATMOSPHERIC FATE:** This product has Zero Ozone Depletion Potential (ODP).

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### INGREDIENT:

White Mineral Oil	≥ 78.0 % by volume C.A.S. No. 8042-47-5
Food Grade Synthetic Hydrocarbons	≤ 21.0 % by volume, Proprietary Formulation; A proprietary blend of synthetic, biodegradable, non-toxic lubricants considered a Trade Secret.
Surfactant	≥ 1.0% by Volume, added to the general formulation for the purpose of reducing and/or eliminating foaming.

**SECTION 4: FIRST-AID MEASURES****4.1 FIRST AID PROCEDURES**

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Immediately flush eyes with large amounts of water for 15 minutes.

**Skin Contact:** N/A

**Inhalation:** N/A

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Seek medical attention.

**4.2 NOTE TO PHYSICIANS:** Exposures resulting from intentional misuse and abuse may cause an increase in myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1 FLAMMABLE PROPERTIES**

**Flammability:** Low Hazard. Product is non-flammable at ambient temperature.

**5.2 EXTINGUISHING MEDIA**

Dry chemical, CO<sub>2</sub>, Water Spray, Foam, Water Fog and Sand Earth

**5.3 PROTECTION OF FIRE FIGHTERS: N/A**

**Unusual Fire and Explosion Hazards:** No unusual fire or explosion hazards are anticipated

**NOTE:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1 Lock off leak and/or source of spill. USE CAUTION AS EXPOSED SURFACES MAY BE EXTREMELY SLIPPERY. Using saturation techniques, soak up leaked and/or spilled solutions with absorbent material. Dispose of saturated materials in accordance with Federal, State and local regulations. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system according to Federal, State and local regulations.

6.2 **Environmental precautions:** Good ventilation should be sufficient.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

**SECTION 7: HANDLING AND STORAGE**

**7.1 HANDLING:** Safety glasses and protective gloves recommended as with any Food Grade Chemical. No special precautions are necessary beyond normal good hygiene practices.

**7.2 STORAGE:**

Store at room temperature.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 ENGINEERING CONTROLS:** Not required.

**8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**8.2.1 Eye/Face Protection:** Avoid eye contact with vapors, mists or spray. The following eye protection(s) are recommended: Safety Glasses with side shields.

**8.2.2 Skin Protection:** Protective gloves and synthetic apron for extended use.

**8.2.3 Respiratory Protection:** Not required. Provide good room ventilation.

**8.2.4 Prevention of Swallowing:**  
Do not eat, drink or smoke when using this product.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Specific Physical Form:</b>	Clear Liquid
<b>Odor, Color, Grade:</b>	Clear, slight yellow with slight almond scent.
<b>General Physical Form:</b>	Liquid
<b>Specific Gravity:</b>	0.835 @ 15.6° C (60° F)
<b>Flash Point:</b>	>266° C (>510° F), Open Cup
<b>Pour Point:</b>	-54° C (-65° F)
<b>Refractive Index:</b>	1.4615 @ 25° C (77° F)
<b>Evaporative Loss:</b>	22h, 0.7 @ 150° C (302° F)
<b>Aniline Point:</b>	134.6° C (274.3° F)
<b>Surface Tension:</b>	30.2 Dynes/cm @ 24° C (75° F)
<b>Total Acid Number:</b>	<0.05 mg/KOH/g
<b>Kinematic Viscosity:</b>	10 cSt @ 100°C (212° F), 66 cSt @ 40°C (104° F)

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Reactivity:** Nil

**Conditions to Avoid:** None

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition:** None

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Oral Toxicity:</b>	Practically non-toxic, LD50>2000 mg/kg
<b>Dermal Toxicity:</b>	Practically non-toxic, LD50>2000 mg/kg
<b>Inhalation Toxicity:</b>	Practically non-toxic, LD50>5 mg/l
<b>Eye Irritation:</b>	Practically non-irritating, Draize score: 0 or >, but <6
<b>Skin Irritation:</b>	Practically non-irritating, Primary Irritation Index, 0.5 or less

**SECTION 12: ECOLOGICAL INFORMATION\* (non-mandatory)****SECTION 13: DISPOSAL CONSIDERATIONS\* (non-mandatory)****SECTION 14: TRANSPORT INFORMATION\* (non-mandatory)****SECTION 15: REGULATORY INFORMATION\* (non-mandatory)**

**\*\* Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29CFR 1910.1200 (g)(2)).**

**SECTION 16: OTHER INFORMATION**

**Additional Information:** None  
**Date of Preparation:** November 28, 2014  
**The Following sections contain revisions or new statements:** 1 - 16

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