**Safety Data Sheet: Signal Alpine Castor Oil**

**Revision Date: January 2nd 2022**

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| SECTION 1 PRODUCT AND COMPANY IDENTIFICATION |

**PRODUCT**

**Product Name:** Signal Alpine Castor Oil

**COMPANY IDENTIFICATION**

**Supplier:** Beacon Lubricants

P.O Box 754

Edinboro, PA 16412

**Emergency Telephone:** 1-877-734-7334 – Beacon Lubricants, Inc.  
**Emergency Telephone:** 1-800-424-9300 (24 hours) – Chemtrec approval

**Website:** www.beaconlubricants.com

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| SECTION 2                                                HAZARDS IDENTIFICATION |

This material is not hazardous according to regulatory guidelines (M)SDS Section 15)  
  
**Other hazard information:   
  
HAZARD NOT OTHERWISE CLASSIFIED (HNOC):**None as defined under 29 CFR 1900. 1200.  
  
**PHYSICAL / CHEMICAL HAZARDS**  
No significant hazards  
**HEALTH HAZARDS**  
High-pressure injection under skin may cause serious damage.   
Excessive exposure may result in eye, skin, or respiratory irritation.   
  
**ENVIRONMENTAL HAZARDS**  
No significant hazards.   
  
**NFPA Hazard ID:** Health:     0 Flammability:     1 Reactivity:     0  
**HMIS Hazard  ID:** Health:   0 Flammability:     1 Reactivity:     0  
  
**Note:**  This material should not be used for any other purpose than the indented 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.

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| SECTION 3                                COMPOSITION / INFORMATION ON INGREDIENTS |

Composition: Natural vegetable oil rich in triglyceride ester of fatty acids with min 89% 12-hydroxyolecic acid (by GLC) Remaining 11% is comprised of Linoleic, Oleic, Palmitic, Stearic, Dihydroxystearic, Linolenic, Eicosanoic acids.

CAS No. EINECS No. HMIS/NFPA

8001-79-4 232-293-8 H-0 F-1 R-0 PP-A

\*All Concentrations are percent by weight unless material is a gas. Gas concentrations are in the percent by volume.

As per paragraph (i) of 29 CFR 1910.1200, formulation is a considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

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| SECTION 4                                                FIRST AID MEASURES |

**INHALATION**  
Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.   
  
**SKIN CONTACT**  
Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms form high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extend of injury.   
  
**EYE CONTACT**  
Flush thoroughly with water. If irritation occurs, get medical assistance.   
  
**INGESTION**  
First aid is normally not required. Seek medical attention if discomfort occurs.

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| SECTION 5                                                     FIRE FIGHTING MEASURES |

**EXTINGUISHING MEDIA   
Appropriate Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.   
  
**Flash Point: 230°C (COC)**

**Auto ignition Temp: 449°C**

**Special Protective Equipment:** Not required, expect regular fire-fighters equipment.

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| SECTION 6                                                           ACCIDENTAL RELEASE MEASURES |

**Personal Precautions:** None

**Enviornmental Precautions:** None

**Methods for Clean Up:** Absorb spill with sand or earth. Clean with detergent.

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| SECTION 7                                                HANDLING AND STORAGE |

**HANDLING**  
Keep away from sources of ignition.

**Storage:** Keep containers closed and in dry area away from heat and light.

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| SECTION 8                                    EXPOSURE CONTROLS / PERSONAL PROTECTION |

**ENGINEERING CONTROLS**  
No special measures required

Control Parameters: N/A

Personal Protection: Usual, same as for handling chemicals

Respiratory Equipment: None

Hand Protection: Neoprene gloves

Eye Protection: Protective glasses

Skin Protection: None

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| SECTION 9                                                PHYSICAL AND CHEMICAL PROPERTIES |

**Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the supplier for additional information.**   
  
**GENERAL INFORMATION**  
**Physical State:** Liquid  
**Color:** Yellowish  
**Odor:** Characteristic   
**Odor Threshold:** N/D  
  
**IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION**  
**Relative Density:** About 0.95 @ 25°C  
**Flammability (Solid, Gas):** N/A  
**Flash Point [Method]:** Above 230°C (COC)  
**Flammable Limits (Approximate volume % in air):** LEL: 0.9 UEL: 7.0  
**Auto ignition Temperature:** N/D  
**Boiling Point / Range:** >316°C (600°F)  
**Decomposition Temperature**: N/D  
**Vapor Density (Air = 1):**   >2 at 101 kPa  
**Vapor Pressure:** < 0.013 kPa (0.1 mm Hg) at 20 °C  
**Evaporation Rate (n-butyl acetate = 1):** N/D  
**pH:** N/A  
**Log Pow (n-Octanol/Water Partition Coefficient):** >3.5  
**Solubility in Water:**   Negligible   
**Viscosity:** 25°C ~ 600-800 CST   
**Oxidizing Properties:** See Hazards Identification Section.

**OTHER INFORMATION**  
**Freezing Point:** N/D  
**Melting Point:** N/A  
**Pour Point:** N/A

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| SECTION 10                                                STABILITY AND REACTIVITY |

**Condition to avoid:** Keep away from oxidizing materials

**Materials to avoid:** Oxidizing materials & sources of ignition

**Hazardous decomposition products:** None if handled & stored according to prescription

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| SECTION 11                                                   TOXICOLOGICAL INFORMATION |

Expected LD50 oral-rate > 5000 mg/kg based on data taken from similar product

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| SECTION 12                                                ECOLOGICAL INFORMATION |

Mobility: Not determined

Degradability: Readily biodegradable

Accumulation: minimum biodegradability is 60% BSB30/CSB – Resp. 70% DOC

Short & long term effects on eco toxicity:

Acute fish toxicity LCO > 100 mg/L

Bacteria toxicity ECO > 100mg/L

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| SECTION 13                                                 DISPOSAL CONSIDERATIONS |

Can be landfilled in accordance with municipals, provincial and federal regulations.

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| SECTION 14                                                TRANSPORT INFORMATION |

**LAND (DOT):** Not Regulated for Land Transport  
  
**LAND (TDG):** Not Regulated for Land Transport  
  
**SEA (IMDG):** Not Regulated for Sea Transport according to IMDG-Code  
  
Marine Pollutant: No  
  
**AIR (IATA):** Not Regulated for Air Transport

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| SECTION 15                                                    REGULATORY INFORMATION |

According to EEC Council Directive, this is not a dangerous substance, but suitable precautions for handling chemicals should be taken.

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| SECTION 16                                                        OTHER INFORMATION |

N/D = Not determined, N/A = Not applicable   
  
KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (for information only):  
  
THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:  
Updates made in accordance with implementations of GHS requirements.   
  
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