**Safety Data Sheet: Signal DC 850**

**Revision Date: October 1, 2022**

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| SECTION 1                                              PRODUCT AND COMPANY IDENTIFICATION |

**PRODUCT**

**Product Name:** Signal DC 850

**Intended Use:** Drawing lubricant

**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 hazardous according to regulatory guidelines (M)SDS Section 15)

**CLASSIFICATION:**

Aspiration Hazard Cat. 1

**LABEL:**

**Pictogram:**



**Signal Word:**Danger

**Hazard Statements:**

H304: May be fatal if swallowed and enters airways.

**Precautionary Statements:**

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting.

**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 |

This material is defined as a mixture.   
**Hazardous Substance(s) or Complex Substance(s) required for disclosure**

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| **Name** | **CAS#** | **Concentration\*** |
| Distillate | 64742-46-7 | 100% |

\*All Concentrations are percent by weight unless material is a gas. Gas concentration 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**  
Product is not expected to present any inhalation hazard at ambient conditions. If aerosolization and/or misting occurs and a person is over-exposed, move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arret occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.    
  
**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**  
DO NOT INDUCE VOMITTING. If conscious, rinse out mouth with water. Seek medical attention immediately.

May be fatal if swallowed and enters airways.

**NOTE TO PHYSICIAN**

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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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.   
  
**Inappropriate Extinguishing Media:** Straight streams of water   
  
**FIRE FIGHTING**  
**Fire Fighting Instructions:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.    
  
**Specific Hazards Arising from Chemical:** Elevated temperatures can lead to formation of irritating fumes and vapors.  Decomposing products may include the following materials: Carbon dioxide and carbon monoxide.   
  
**FLAMMABILITY PROPERTIES**  
**Flash Point [Method]:** >154°C (309°F) [ASTEM D-92]  
**Flammable Limits (Approximate volume % in air)**: LEL: N/D UEL: N/D  
**Autoignition Temperature:** N/D

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| SECTION 6                                                           ACCIDENTAL RELEASE MEASURES |

**Personal Precautions**   
Put on appropriate personal protective equipment.   
  
**Environmental Precautions**  
Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.   
  
**Methods for containment**

Stop leak if without risk  
  
  
**Methods for cleanup**  
Cover liquid spill with sand, earth, or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled container.

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| SECTION 7                                                HANDLING AND STORAGE |

**HANDLING**

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Use non-sparking tools.

**Shipping and storing procedures**

Keep container tightly closed in a dry and well-ventilated place. Keep away from heath. Protect from light. Keep in properly labeled containers. Keep out of reach of children.   
  
**Incompatibilities:**  Oxidizing agents

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| SECTION 8                                        EXPOSURE CONTROLS / PERSONAL PROTECTION |

**EXPOSURE LIMIT VALUES**

**Exposure limits/standards (Note: Exposure limits are not additive)**

Oil Mist (mineral)

ACGIH TLV: TWA: N/A ppm TWA: 5mg/m3 STEL: N/A ppm STEL: 10mg/m3

OSHA PEL: TWA: N/A ppm TWA: 5mg/m3 STEL: N/A ppm STEL: N/A mg/m3

ACGIH TLV: TWA: N/A ppm TWA: 5mg/m3 STEL: N/A ppm STEL: 10mg/m3

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

Material should be handled in enclosed vessels and equipment. Use only in adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminates below any recommended or statutory limits.  
  
**PERSONAL PROTECTION**  
  
Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information of the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.   
  
**Respiratory Protection:**  Respirator may only be needed if product is aerosolized and/or misted. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels.

**Eye Protection:**Chemical goggles are recommended   
  
**Skin and Body Protection:** Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: Chemical/oil resistant clothing is recommended.  
  
**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. 

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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:** Clear

**Odor:** Characteristic

**Odor Threshold:** N/D

**IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION**

**Relative Density (lbs/gal):** 6.8

**Flammability (Solid, Gas):** N/A

**Flash Point [Method]** (230°F)

**Flammable Limits** **(Approximate volume % in air):** N/A

**Auto ignition Temperature:** N/D

**Vapor Density (Air =1):** > N/A

**Vapor Pressure:** 0.00

**Evaporation Rate (n-butyl acetate** = 1): N/A

**pH:** N/A

**Log Pow (n-Octanol/Water Partition Coefficient):** N/D

**Solubility in Water:** Negligible

**Viscosity:** 2.4 @ 40 °C

**OTHER INFORMATION**

**Freezing Point:** N/D

**Melting Point:** N/A

**Pour Point:** (-50°F)

**DMSO Extract (mineral oil only), IP-346:** N/A

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| SECTION 10                                                STABILITY AND REACTIVITY |

**REACTIVITY:** Polymerization will not occur  
  
**STABILITY:** Material is stable under normal conditions  
  
**CONDITIONS TO AVOID:** Excessive heat. High energy sources of ignition.  
  
**MATERIALS TO AVOID:** Strong oxidizers, strong acids  
  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Smoke, carbon monoxide, carbon dioxide, aldehydes, and other products of incomplete combustion

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| SECTION 11                                                   TOXICOLOGICAL INFORMATION |

**INFORMATION ON TOXICOLOGICAL EFFECTS**

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| **Hazard Class** | **Conclusion / Remarks** |
| **Inhalation** |  |
| Acute Toxicity: No end point data for material. | Minimally Toxic. Based on the assessment of the components. |
| Irritation: No end point data for material. | Negligible hazard at ambient/normal handling temperatures. |
| **Ingestion** |  |
| Acute Toxicity: No end point date for material | Minimally Toxic. Based on assessment of components. |
| **Skin** |  |
| Acute Toxicity: No end point date for material | Minimally Toxic. Based on assessment of components. |
| Skin Corrosion/Irritation: No end point data for material. | Negligible irritation to skin at ambient temperatures. Based on assessment of the components. |
| **Eye** |  |
| Serious Eye Damage/Irritation: No end point data for material | May cause mild, short-lasting discomfort to eyes. Based on assessment of components. |
| **Sensitization** |  |
| Respiratory Sensitization: No end point data for material | Not expected to be a respiratory sensitizer |
| Skin Sensitization: No end point date for material | Not expected to be a skin sensitizer. Based on assessment of the components. |
| **Aspiration:** Date available | If swallowed can be aspirated into lungs and cause chemical pneumonia, varying degrees of pulmonary injury or death. If swallowed, do NOT induce vomiting. |
| **Germ Cell Mutagenicity:** No end point data for material | Not expected to be a germ cell mutagen. Based on assessment of the components. |
| **Carcinogenicity:** No end point data for material | Not expected to cause cancer. Based on assessment of the components. |
| **Reproductive Toxicity:** No end point data for material | Not expected to be a reproductive toxicant. Based on the assessment of the components |
| **Lactation:** No end point data for material | Not expected to cause harm to breast-fed children |
| **Specific Target Organ Toxicity (STOT)** |  |
| Single Exposure: No end point data for material | Not expected to cause organ damage from a single exposure |
| Repeated Exposure: No end point data for material | Not expected to cause organ damage from prolonged or repeated exposure. Based on assessment of the components. |

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| SECTION 12                                                ECOLOGICAL INFORMATION |

The information given is based on data available for the material, the components of the material, and similar materials.   
  
**ECOTOXICITY**   
N/A

**MOBILITY**

N/A   
  
**PERSISTENCE AND DEGRADABILITY  
Biodegradation:**  
N/A

**BIOACCUMULATION POTENTIAL**

N/A

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| SECTION 13                                                 DISPOSAL CONSIDERATIONS |

The generation of waste should be avoided or minimized whenever possible. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local 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 |

**OSHA HAZARD COMMUNICATION STANDARD:** This material is considered hazardous in accordance with OHSA HazCom 2012, 29, CFR 1910. 1200.  
  
**Complies with the following national/regional chemical inventory requirements:** AICS, DSL, ENCS, IECSC, KECI, TSCA

**PRODUCT REGISTRATION STATUS:** USA

**EPCRA SECTION 302:** This material contains no extremely hazards substances.

**SARA (311/312) REPORTABLE HAZARD CATEGORIES:** Physical Hazard: Yes – flammable liquid

Health Hazards: Yes – aspiration hazard, eye irritant, skin irritant, specific target organ toxicity   
  
**SARA (313) TOXIC RELEASE INVENTORY:** This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

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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):**

H304: May be fatal if swallowed and enters airways; Aspiration, Cat 1

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:**  
Updates made in accordance with implementations of GHS requirements.   
  
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