**Safety Data Sheet: Signal Tech Industrial Gear 150 H1EP**

**Revision Date: January 2nd 2022**

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| SECTION 1 PRODUCT AND COMPANY IDENTIFICATION |

**PRODUCT**

 **Product Name:** Signal Tech Industrial Gear 150 H1EP

**Intended Use:** 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 |

Classification of the substance mixture:Skin Corrosion/irritation – Cat 2

Serious eye damage/eye irritation – Cat2A

GHS Label

Hazard Pictogram: 

Signal Word: Warning

Hazard statement: Causes serious eye irritation. Causes skin irritation.

Precautionary statements

Prevention: Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after handling.

Response: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

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| SECTION 3 COMPOSTION / INFORMATION INGREDIENTS |

Substance/mixture: mixture

Ingredient Name % CAS Number

Butene, homopolymer 10-30 9003-29-6

2,6-di-tert-Butyl-p-cresol 0.1-1 128-37-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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| SECTION 4 FIRST AID MEASURES |

**Eye contact:** Flush eye with water for 15 minutes, if eye irritation persists, consult a specialist.

**Skin contact:** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.

**Ingestion:** Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician immediately.

**Most important symptoms and effects, both acute and delayed**

Eye contact:Causes serious eye irritation

Inhalation: No known significant effects or critical hazards

Skin contact: Causes skin irritation

Ingestion: Irritating to mouth, throat, and stomach.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following: pain or irritation, watering, redness

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| SECTION 5 FIRE FIGHTING MEASURES |

Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire

Unsuitable extinguishing media: None known

Specific hazard arising from chemical: N/A

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide

Special protective actions for fire-fighters: N/A

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus with full face piece operated in a positive pressure mode.

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| SECTION 6 ACCIDENTAL RELEASE MEASURES |

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: if specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “for non-emergency personnel”

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. USA regulations may require reporting spills of this material that could reach any surface waters. Report spills to all applicable Federal, State, Provincial and local authorities and/or the United States National Response Center at 800-424-8802 as appropriate or required. Water polluting material. May be harmful to the environment if released in large quantities.

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| SECTION 7 HANDLING AND STORAGE |

Protective measures: Put on appropriate protective equipment (see section 8). Do not ingest. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: 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. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see section 10\_ and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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| SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION |

Control Parameters

Occupation exposure limits

Ingredient Name Exposure limits

2,6-di-tert-Butyl-p-cresol OSHA PEL 1989 (United States, 3/1989)

 TWA: 10 mg/m3 8 hours

 NIOSH REL (United States, 10/2013)

 TWA: 10 mg/m3 10 hours

 ACGIH TLV (United States, 4/2014)

TWA: 2 mg/m3 8 hours. Form: Inhalable fraction and vapor

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures: Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Wear eye protection such as safety glasses, chemical goggles, or face shields if engineering controls or work practices are not adequate to prevent eye contact.

Skin protection

Hand protection: use nitrile or oil resistant gloves

Body protection: Personal protective clothing such as gloves, aprons, boots and complete facial protection should be selected based on the task being performed and the risks involved. User should determine acceptable performance characteristics of protective clothing. Consider physical requirements and other substances present when selecting protective clothing.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

Respiratory protection: If a risk assessment indicates that respiratory protection is required, use a properly fitted, air-purifying or supplied air respirator that complies with an approved standard. Respirator selection must be based on known o anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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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:** Milky clear white

**Odor:** Mild

**Odor Threshold:** N/D

Boiling point: >300°C (>572°F)

Vapor density: >10 [Air=1]

Relative density: 0.85 to 0.884

Flash Point: Open cup: 235 to 277°C (455 to 530.6°F)

Viscosity: 100°C – 12.5 to 48 cSt

 40°C – 90 to 748 cSt

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| SECTION 10 STABILITY AND REACTIVITY  |

**REACTIVITY:** N/A

**STABILITY:** Material is stable under normal conditions

**CONDITIONS TO AVOID:** No special storage conditions required

**MATERIALS TO AVOID:** Strong oxidizers, strong acids

**HAZARDOUS DECOMPOSTION PRODUCTS:** Thermal decomposition can lead to release of irritating gases and vapors

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| SECTION 11 TOXICOLOGICAL INFORMATION |

**INFORMATION ON TOXICOLOGICAL EFFECTS**

Product/ingredient name Result Species Dose Exposure

2,6-di-tert-Butyl-p-cresol LD50 Oral Rat 890 mg/kg

Irritation Corrosion

Product/ingredient name Result Species Exposure

2,6-di-tert-Butyl-p-cresol Eyes moderate irritant. Rabbit 24hours 100 mg

 Skin – mild irritant Human 48 hours 500mg

 Skin – moderate Rabbit 48 hours 500 mg

Aspiration hazard

Name Result

Butene, homopolymer Aspiration hazard – cat 1

Eye contact: Serous eye irritation

Inhalation: No known significant effects or critical hazards

Skin contact: causes irritation

Ingestion: irritating to mouth, throat, and stomach

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| SECTION 12 ECOLOGICAL INFORMATION |

**Ecotoxicity**

No known hazards to the aquatic environment

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| SECTION 13 DISPOAL CONSIDERATIONS |

**Water treatment methods**

**Disposal of wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**: Do not reuse container

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| SECTION 14 TRANSPORT INFORMATION |

**DOT:** Not regulated

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| SECTION 15 REGULATORY INFORMATION |

**OSHA HAZARD COMMUNICATION STANDARD:** This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200

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| SECTION 16 OTHER INFORMATION |

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:**

Updates made in accordance with implementation of GHS requirements.

The information and recommendations contained herein are, to the best of Beacon Lubricant’s knowledge and belief, accurate and reliable as of the date issued. You can contact Beacon Lubricant’s to insure that this document is the most current available for Beacon Lubricant’s. The information and recommendations are offered for the user’s consideration and examination. It is the user’s responsibility to satisfy itself that the product is suitable for the intended use