**Safety Data Sheet: Signal Tech 220 FG Lubricant**

**Revision Date: January 2nd 2022**

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| SECTION 1 PRODUCT AND COMPANY IDENTIFICATION |

**PRODUCT**

**Product Name:** Signal Tech 220 FG Lubricant

**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**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 20212 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Label elements**

**Signal Word:**

**Not classified**

**Hazard Statements: None**

This product contains no substances which are their given concentration, are considered to be hazardous to health.

Appearance: Oil

Physical State: Liquid

Odor: Mild

Eyes: None

Skin: None

Inhalation: None

Ingestion: None

**Hazards not otherwise classified (HNOC)**

**Other information**

**Unknown Acute Toxicity**

14% of the mixture consists of ingredient(s) of unknown toxicity

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| SECTION 3 COMPOSTION / INFORMATION INGREDIENTS |

The product contains no substances which at their given concentration, are considered to be hazardous to health.

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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**

**Symptoms:** No information available

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** Treat symptomatically

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| SECTION 5 FIRE FIGHTING MEASURES |

Suitable extinguishing media:

Use dry chemical, CO2, water spray or “alcohol” foam.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

**Specific Hazards arising from the chemical**

In the event of a fire, cool tanks with water spray.

**Explosion Data**

Sensitivity to Mechanical Impact: None

Sensitivity to Static discharge: None

**Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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| SECTION 6 ACCIDENTAL RELEASE MEASURES |

**Personal precautions, protective equipment and emergency procedures**

Personal Precautions: Use personal protective equipment

**Environmental precautions**

**Environmental precautions:** Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

**Methods and material for containment and cleaning up**

**Methods for containment:** Prevent further leakage or spillage if safe to do so

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

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| SECTION 7 HANDLING AND STORAGE |

**Precautions for safe handling**

**Handling:** Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions:** Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in cool place.

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| SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION |

**Control Parameters**

**Exposure Guidelines:** Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m3, ACGIH STEL of 10 mg/m3.

**Appropriate engineering controls**

**Engineering measures to reduce exposure:** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Respiratory protection:** No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hand protection:** Nitrile rubber, Neoprene gloves

**Eye protection:** Safety Glasses

**Skin and body protection:** Long sleeved, clothing, Chemical resistant apron

**General Hygiene Considerations:** Avoid contact with skin, eyes and clothing

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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:** Mild

**Odor Threshold:** N/D

ISO Viscosity Grade

@40°C 222

@100°C 24.1

Flash Point, ASTM 92 °C 274

Pour Point, °C -40

Appearance Clear

Four-Ball Wear .45

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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 information:** Product does not present an acute toxicity hazard based on known or supplied information

**Eye contact:** contact with eyes may cause irritation

**Skin contact:** Prolonged contact may cause redness and irritation

**Inhalation:** Avoid breathing vapors or mists

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Sensitization Mutagenic effects:** No sensitization responds were observed, did not show mutagenic or teratogenic effects in animal experiments

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OHSA, IARC or NTP.

**Reproductive toxicity:** This product does not contain any known or suspected reproductive hazards.

**STOT- Single Exposure**- None under normal use conditions

**STOT- Repeated Exposure**- None under normal use conditions

**Aspiration Hazard**- not applicable

**Unknown Acute Toxicity-** 14 % of the mixture consists of ingredient(s) of unknown toxicity.

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| SECTION 12 ECOLOGICAL INFORMATION |

**Ecotoxicity**

No known hazards to the aquatic environment

14% of the mixture consists of component(s) of unknown hazards to the aquatic equipment

**Persistence and degradability**

Readily biodegradable ( > 60 % after 28 days

**Bioaccumulation**

Material does not bioaccumulate

**Mobility**

The product is insoluble and floats on water.

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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 by any means of transportation

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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

**Listed or exempt from listing/notification on the following chemical inventories:** AICS, DSL, ENCS, IECSC, KECI, TSCA

**SARA 311/312** : No

**SARA 313 (TRI reporting) :** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CWA(Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act or the Superfund Amendments and Reauthorization Act. There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

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| SECTION 16 OTHER INFORMATION |

Nfpa

Health: 0

Flammability: 1

Instability: 0

NFPA/HMIS\* for Carc, Muta, Tera, Specific Organ \*

HMIS Health Rating:

Health: 0

Flammability: 1

Physical Hazards: 0

Personal protection: B

**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