**Safety Data Sheet: Signal Tech Air 220 H1 Oil**

**Revision Date: January 2nd 2022**

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| SECTION 1                                              PRODUCT AND COMPANY IDENTIFICATION |

**PRODUCT**

**Product Name:** Signal Tech Air H1 Oils

**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   
visit us at 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**  
No significant hazards.  
  
**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 |

This 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 |

**INHALATION**  
In case of inhalation of aerosol/mist consult a physician if necessary.    
  
**SKIN CONTACT**  
Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.    
  
**EYE CONTACT**  
Rinse thoroughly with plenty of water, also under the eyelids. Immediate medical attention is not required. If eye irritation persists, consult a specialist.    
  
**INGESTION**  
Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

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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

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| SECTION 6                                                           ACCIDENTAL RELEASE MEASURES |

**Personal precautions:** Contaminated surfaces will be extremely slippery. Use personal protective equipment.

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

**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 |

**HANDLING**

Spilling onto the container’s outside will make container slippery   
  
  
**STORAGE:**Keep containers dry and tightly closed to avoid moisture absorption and contamination.

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| SECTION 8                                EXPOSURE CONTROLS / PERSONAL PROTECTION |

**EXPOSURE LIMIT VALUES**

**Exposure limits/standards for materials that can be formed when handling this product:** When mists/aerosols can occur the following is recommended: 5 mg/m3 - OSHA PEL.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.  
  
No biological limits allocated.   
  
**ENGINEERING CONTROLS**  
  
The level of protection and toes of controls necessary will vary depending upon potential exposure conditions.   
Control measures to consider: No special requirements under ordinary conditions of use and with adequate ventilation.   
  
**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:**  If engineering controls do not maintain airborne contaminant concentrations at a levee which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:  
Particulate air-purifying respirator approved for dust / oil mist is recommended.   
  
For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filters capacity/rating may be exceeded.   
  
**Hand Protection:**Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacture for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include: No protection is ordinarily required under normal conditions of use.

**Eye Protection:**If contact is likely, safety glass with side shields are recommended. Chemical type goggles should be worn during misting operations.   
  
**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: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.   
  
**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.   
  
**Environmental Controls**  
Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions. 

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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:** Dark Yellow  
**Odor:** Mild   
**Odor Threshold:** N/D  
  
**IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION**  
**Relative Density (at 15°C):** 0.888  
**Flammability (Solid, Gas):** N/A  
**Flash Point [Method]:** >232°C (450°F) [ASTM D-92]   
**Flammable Limits (Approximate volume % in air):** LEL: 0.9 UEL: 7.0  
**Autoignition Temperature:** N/D  
**Decomposition Temperature**: N/D  
**Evaporation Rate (n-butyl acetate = 1):** N/D  
**pH:** N/A  
**Log Pow (n-Octanol/Water Partition Coefficient):** N/D  
**Solubility in Water:**   Negligible  
**Viscosity:** 220 cSt @ 40°C   
**Oxidizing Properties:** See Hazards Identification Section. 

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| SECTION 10                                                STABILITY AND REACTIVITY |

**REACTIVITY:** See sub-sections below.  
  
**STABILITY:** Material is stable under normal conditions  
  
**CONDITIONS TO AVOID:** Excessive heat. High energy sources of ignition.  
  
**MATERIALS TO AVOID:** Strong oxidizers  
  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Material does not decompose at ambient   
temperatures.  
  
**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization will not occur.

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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 | Not expected to be an aspiration hazard. Based on phsico-chemical properties of the materials. |
| **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. |

**OTHER INFORMATION**

**For the product itself:** N/A  
  
**The following ingredients are cited on the lists below: None.**  
  
--REGULATORY LISTS SEARCHED--  
1 = NTP CARC 3 = IARC 1 5 = IARC 2B  
2 = NTP SUS 4 = IARC 2A 6 = OSHA CARC

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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**   
No known hazards to the aquatic environment

**MOBILITY**

N/A  
  
**PERSISTENCE AND DEGRADABILITY**

**Biodegradation:**  
N/A

**BIOACCUMULATION POTENTIAL**

N/A  
  
 **OTHER ECOLOGICAL INFORMATION**

**VOC:** 0 G/L [ASTM E1868-10]

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| SECTION 13                                                 DISPOSAL CONSIDERATIONS |

Disposal recommendations based on material as supplied. Disposal must be in accordance current applicable laws and regulations, and material characteristics at time of disposal.

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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, IECSC, PICCS, TSCA

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

**SARA (311/312) REPORTABLE HAZARD CATEGORIES:** None  
  
**SARA (313) TOXIC RELEASE INVENTORY:** This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

**The following ingredients are cited on the lists below: None**

--REGULATORY LISTS SEARCHED—

1 = ACGIH ALL 6 = TSCA 5a2 11 = CA P65 REPRO 16 = MN RTK  
2 = ACGIH A1                7 = TSCA 5e 12 = CA RTK 17 = NJ RTK  
3 = ACGIH A2                8 = TSCA 6 13 = IL RTK 18 = PA RTK  
4 = OSHA Z 9 = TSCA 12b 14 = LA RTK 19 = RI RTK  
5 = TSCA 4 10 = CA P6 CARC 15 = MI 293   
  
Code Key: CARC=Carcinogen; REPRO=Reproductive

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| SECTION 16                                                        OTHER INFORMATION |

N/D = Not determined, N/A = Not applicable 

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