



**Safety Data Sheet: Signal Tech Trac THL**

**Revision Date: January 2<sup>nd</sup>, 2024**

**SECTION 1**

**PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT**

**Product Name:** Signal The Trac THL

**Intended Use:** Hydraulic Fluid

**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

**SECTION 2**

**HAZARDS IDENTIFICATION**

This material is considered hazardous according to regulatory guidelines (M)SDS Section 15)

**Classification of the substance or mixture – Serious Eye Damage/Eye Irritation Category 2A**



GHS Label Elements -

Signal Word: Warning

Hazard Statements: Causes serious eye irritation

Precautionary statements

General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.



Prevention: wear eye or face protection

Response: 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.

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

This material is defined as a mixture.

**Hazardous Substance(s) or Complex Substance(s) required for disclosure**

Name	CAS#	Concentration*
Base oil(s)	See below	60-100
1-Decene, homopolymer, hydrogenated	68037-01-4 68649-42-3	10-30 1-5
Zinc Alkyldithiophosphate	101-02-0	0.1-1
Triphenyl phosphite		

\*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).

**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 from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent 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.

## SECTION 5

## FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA

**Appropriate Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**Inappropriate Extinguishing Media:** N/A

### FIRE FIGHTING

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

**Unusual Fire Hazards:** N/A

**Hazardous Combustion Products:** N/A

## SECTION 6

## ACCIDENTAL RELEASE MEASURES

### NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including

intermittent dry creeks. The National Response Center can be reached at (800) 424-8802.

### PROTECTIVE MEASURES

Avoid contact with spilled material. See Section 5 for firefighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Service. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgement of the emergency responders.

For emergency responders: Respiratory protection: respiratory protection will be necessary only in special cases, e.g., formation of mists. half-face or full-face respirator with filter(s) for dust/organic vapor or Self-Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to hydrocarbons are recommended. Gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes as possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

### SPILL MANAGEMENT

**Land Spill:** Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.

**Water Spill:** Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

### ENVIRONMENTAL PRECAUTIONS

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.



## HANDLING

Put on appropriate personal 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 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.

## STORAGE:

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 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.



**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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

Substance Name	Limit / Standard
Base Oil(s)	NIOSH REL  TWA: 5mg/10 hours Form: Mist  ACGIH TLV  TWA: 5mg Form: Oil Mist  STEL: 10mg/ Form: Oil Mist  OSHA PEL  TWA: 5mg Form Oil Mist

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

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

Hygiene measures: wash hands, forearms, and face after handling chemical products and before eating, smoking, and using the lavatory and at the end of the working period.

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.

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.

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.

## 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:** Light Yellow

**Odor:** Characteristic

**Odor Threshold:** N/D

### IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

**Relative Density (at 15°C):** 0.8519

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

**Flash Point [Method]:** Open cup: 229.4°C (444.9°F)

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

**Autoignition Temperature:** N/A

**Boiling Point / Range:** >316°C (600°F) [ESTIMATED]

**Decomposition Temperature:** N/D

**Vapor Density (Air = 1):** >1 [Air = 1]

**Vapor Pressure:** < 0.013 kPa (0.1 mm Hg) at 20 °C [ESTIMATED]

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

**pH:** N/A

**Solubility in Water:** Negligible

**Viscosity:** Kinematic (100°C): 8.5 to 9.7 cSt

**Oxidizing Properties:** See Hazards Identification Section.

**SECTION 10**
**STABILITY AND REACTIVITY**

**REACTIVITY:** See sub-sections below.

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

**CONDITIONS TO AVOID:** N/A

**MATERIALS TO AVOID:** Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, and other organic compounds

**SECTION 11**
**TOXICOLOGICAL INFORMATION**
**INFORMATION ON TOXICOLOGICAL EFFECTS**

<b><u>Hazard Class</u></b>	<b><u>Conclusion / Remarks</u></b>
<b>Inhalation</b>	
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.
<b>Ingestion</b>	
Acute Toxicity: No end point date for material	Minimally Toxic. Based on assessment of components.
<b>Skin</b>	
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.
<b>Eye</b>	
Serious Eye Damage/Irritation: No end point data for material	May cause mild, short-lasting discomfort to eyes. Based on assessment of components.
<b>Sensitization</b>	





P.O. Box 754,  
Edinboro, PA 16412-0754  
sales@beaconlubricants.com

toll free: (877) 734-7334  
phone: (814) 734-7535  
fax: (814) 734-3460

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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.
<b>Aspiration:</b> Date available	Not expected to be an aspiration hazard. Based on phsico-chemical properties of the materials.
<b>Germ Cell Mutagenicity:</b> No end point data for material	Not expected to be a germ cell mutagen. Based on assessment of the components.
<b>Carcinogenicity:</b> No end point data for material	Not expected to cause cancer. Based on assessment of the components.
<b>Reproductive Toxicity:</b> No end point data for material	Not expected to be a reproductive toxicant. Based on the assessment of the components
<b>Lactation:</b> No end point data for material	Not expected to cause harm to breast-fed children
<b>Specific Target Organ Toxicity (STOT)</b>	
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.

## TOXICITY FOR SUBSTANCES

NAME	ACUTE TOXICITY
1-Decene, homopolymer, hydrogenated	Aspiration Hazard – Cat 1

## OTHER INFORMATION



**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

## SECTION 12

## ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

### **ECOTOXICITY**

Material — Not expected to be harmful to aquatic organisms.

### **MOBILITY**

Components — Expected to remain in water or migrate through soil.

### **PERSISTENCE AND DEGRADABILITY**

#### **Biodegradation:**

Base Oil Components— Expected to be inherently biodegradable

### **BIOACCUMULATION POTENTIAL**

Components — Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bio concentration or limit bioavailability

## 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.

### **DISPOSAL RECOMMENDATIONS**

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

### **REGULATORY DISPOSAL INFORMATION**

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain



materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

**Empty Container Warning:** Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

**SECTION 14**

**TRANSPORT INFORMATION**

**LAND (DOT):** N/A

**LAND (TDG):** N/A

**SEA (IMDG):** N/A

Marine Pollutant: No

**AIR (IATA):** N/A

**SECTION 15**

**REGULATORY INFORMATION**

**OSHA HAZARD COMMUNICATION STANDARD:** This material is considered hazardous in accordance with OSHA HazCom 2012, 29, CFR 1910. 1200.

**Complies with the following national/regional chemical inventory requirements:** AICS, DSL, ENCS, KECI, PICCS, TSCA

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

**SARA (311/312) REPORTABLE HAZARD CATEGORIES:** None

**SARA (313) TOXIC RELEASE INVENTORY:**



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phone: (814) 734-7535

fax: (814) 734-3460

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**The following ingredients are cited on the lists below:**

--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

## 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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