

# GHS - SAFETY DATA SHEET

Date: 2023.11.15

## Section 1. Identification of the substance/mixture and of the company/undertaking

**Product Name** TEOST® MHT Reference Oil – LDF-4  
**Recommended Use:** Calibration and performance verification reference standard for high temperature deposit equipment.  
**Supplier:** Tannas Company/Savant Tech (a division of Savant, Inc.)  
4800 James Savage Rd.  
Midland, MI 48642 USA  
**Emergency Phone:** 989-496-2301

## Section 2. Hazards identification

**GHS Classification:** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### GHS Label Elements

**Hazard pictograms:** None  
**Signal Word:** No Signal word.  
**Hazard Statement:** No known significant effects or critical hazards.  
**Precautionary Statements**

**Prevention:** Not applicable.  
**Response:** Not applicable.  
**Storage:** Not applicable.  
**Disposal:** Not applicable.  
**Other Hazards:** None known.

## Section 3. Composition/information on ingredients

**Substance/Mixture:** Substance  
**Chemical Name:** Distillates (petroleum), solvent-dewaxed paraffinic  
**Other means of Identification:** Base oil – unspecified; Distillates, petroleum, solvent-dewaxed heavy paraffinic; Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic; Distillates (petroleum), solvent-dewaxed paraffinic; Base oil – unspecified; Paraffin oil

Chemical Name	CAS-No	Weight %
Heavy Paraffinic Distillate	64742-54-7	≥60-70%
Heavy paraffinic Distillate	64742-54-7	≥30-40%
Lubricant Additives	Mixture	~0-10%
Hydro treated Paraffinic Base Oil	64742-58-1 and/or 64742-62-7	>99%

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## Section 4. First aid measures

<b>Eye contact:</b>	Flush with water for 15 minutes. If irritation continues, contact a physician.
<b>Skin contact:</b>	Wash skin thoroughly with soap and water. Launder soiled clothing. If irritation continues, contact a physician.
<b>Inhalation:</b>	Although inhalation of this material is unlikely, if respiratory discomfort occurs or irritation develops due to inhalation of oil mist, move person to fresh air. If persistent irritation occurs, obtain medical attention.
<b>Ingestion:</b>	If material is swallowed, give 2 glasses of water and DO NOT induce vomiting. Contact a physician.

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable Extinguishing Media:</b>	Carbon dioxide, dry chemical, foam, water fog.
<b>Unsuitable Extinguishing Media:</b>	Water spray or stream.
<b>Special exposure hazards arising from mixture:</b>	None in particular.
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained breathing apparatus and full protective gear.
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained breathing apparatus and full protective gear.

## Section 6. Accidental release measures

<b>Personal precautions, protective equipment, and emergency procedures:</b>	For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
<b>Methods and materials for containment and cleaning up:</b>	Absorb large spills with commercially available absorbent materials such as absorbent clay, sand, silica gel, acid binder, universal binder, sawdust, etc.
<b>Environmental Precautions:</b>	Prevent spreading over a wide area by containment or oil barriers. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

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## Section 7. Handling and storage

- Precautions for Safe Handling:** Minimize breathing vapor, mist or fumes.  
Avoid prolonged or repeated contact with skin.  
Cleanse skin thoroughly after contact, before breaks and meals, and at the end of the work period.  
Product is readily removed from skin by washing thoroughly with soap and water.
- Advice in general, occupational hygiene:** Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material.  
Handle in accordance with good industrial hygiene and safety practice.
- Conditions for Safe Storage:** Keep containers closed when not in use and store in a cool, dry, ventilated area.  
Do not handle or store near heat, sparks, flame or strong oxidants.

## Section 8. Exposure controls/personal protection

### Occupational Exposure Limits:

<u>Substance Name</u>	<u>Limit/Standard</u>	
Heavy Paraffinic Distillate	TWA	5mg/M3 TWA ACG1H
Heavy paraffinic Distillate	TWA	5mg/M3 TWA ACG1H
Lubricant Additives		
Hydro treated Paraffinic Base Oil	TWA	5mg/M3 TWA ACG1H

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas.

### Individual Protection Measures, such as Personal Protective Equipment:

**Eye/Face Protection:** Use splash goggles or face shield when eye contact may occur.

**Hand Protection:** Use chemical-resistant gloves if needed to avoid prolonged exposure or repeated skin contact.

**Skin and Body Protection:** Use chemical-resistant apron or other impervious clothing, if needed, to avoid prolonged exposure or repeated skin contact.

**Respiratory Protection:** If exposure exceeds TLV, use appropriate NIOSH approved respiratory protection.

**General Hygiene Considerations:** 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

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to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 9. Physical and chemical properties

<b>Appearance</b>	Amber
<b>Physical State</b>	Liquid
<b>Odor</b>	Slight Hydrocarbon
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	Not Available
<b>Melting/Freezing Point:</b>	NA
<b>Initial Boiling Point:</b>	Not Available
<b>Flash Point:</b>	(>) 390°F / minimum ASTM D92 (199°C)
<b>Evaporation Rate:</b>	ND
<b>Flammability (solid,gas):</b>	Not Available
<b>Upper/Lower Flammability or Explosive Limits</b>	
<b>Flammability Limit</b>	
<b>Lower %:</b>	Not Available
<b>Upper %:</b>	Not Available
<b>Explosive Limit</b>	
<b>Lower %:</b>	ND
<b>Upper %:</b>	ND
<b>Vapor Pressure:</b>	ND
<b>Vapor Density:</b>	ND
<b>Relative Density:</b>	Not Available
<b>Solubility (water):</b>	Not Available
<b>Partition Coefficient</b>	Not Available
<b>(n-octanol/water):</b>	Not Available
<b>Auto-ignition Temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity:</b>	NA

## Section 10. Stability and reactivity

<b>Reactivity:</b>	Not reactive under normal conditions.
<b>Chemical Stability:</b>	Stable.
<b>Possibility of Hazardous Reactions:</b>	None under normal processing.
<b>Conditions to Avoid:</b>	High temperatures and open flames.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	May produce oxides of carbon.

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## Section 11. Toxicological information

### Information on Likely Routes of Exposure

<b>Inhalation</b>	Breathing mineral oil mists at levels above TLV may cause respiratory irritation and possible discomfort. Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs that may progress to pulmonary fibrosis. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities
<b>Eye Contact</b>	May cause minor eye irritation.
<b>Skin Contact</b>	Material expected to cause no more than minor skin irritation following prolonged or repeated contact.
<b>Ingestion</b>	Not expected to be acutely toxic by ingestions. Abdominal discomfort, nausea and diarrhea may occur.

### Symptoms Related to the Physical, Chemical and Toxicological Characteristics:

<b>Eye contact:</b>	No specific data.
<b>Inhalation:</b>	No specific data.

### Information on Toxicological Effects

<b>Acute Toxicity:</b>	Not applicable.
<b>Skin Corrosion / Irritation:</b>	Not applicable.
<b>Serious Eye Damage / Eye Irritation:</b>	Not applicable.
<b>Respiratory or Skin Sensitization</b>	
<b>Respiratory Sensitization:</b>	Not available.
<b>Skin Sensitization:</b>	Not available.
<b>Mutagenicity:</b>	Not available.
<b>Carcinogenicity:</b>	No known significant effects or critical hazards.
<b>Reproductive Toxicity:</b>	No known significant effects or critical hazards.
<b>Specific Target Organ Toxicity</b>	No known significant effects or critical hazards.
- Single Exposure	
<b>Specific Target Organ Toxicity</b>	No known significant effects or critical hazards.
- Repeated Exposure	
<b>Aspiration Hazard</b>	No known significant effects or critical hazards.
<b>Chronic Effects</b>	No known significant effects or critical hazards.

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## Section 12. Ecological information

<b>Ecotoxicity:</b>	Contains no substances known to be hazardous to the environment at concentration that would be significant.
<b>Persistence and Degradability:</b>	Expected to be not readily biodegradable. Product contains components that may persist in the environment.
<b>Bio accumulative Potential:</b>	Contains components with the potential to bio accumulate.
<b>Mobility in Soil:</b>	Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.
<b>Other Adverse Effects:</b>	No known significant effects or critical hazards.

## Section 13. Disposal considerations

<b>Disposal Instructions:</b>	Place contaminated material in disposable containers and bury in an approved landfill site per local, state and federal regulations.  Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.
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## Section 14. Transport information

<b>DOT:</b>	Not regulated as dangerous goods.
<b>IMDG:</b>	Not regulated as dangerous goods.

## Section 15. Regulatory information

<b>U.S. Federal Regulations:</b>	This material is listed or exempted.
<b>United States Inventory: (TSCA 8b)</b>	This material is listed or exempted.

## Section 16. Other information

Issuing Date:	2015 August 17 <sup>th</sup>
SDS Revision Date:	2023 November 15 <sup>th</sup>
Revision Note:	Date Extension- Review Completed

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This safety data sheet compiles with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EU) No. 1907/2006

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End of Safety Data Sheet