

GHS - SAFETY DATA SHEET

Date: 2023.12.6

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

Product Name **Low Temperature Newtonian Reference Oil – LNP-5**
Recommended Use: Viscometer equipment calibration and performance verification reference standard
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:

Chemical Name	CAS-No	Weight %
Hydro Treated Paraffinic Base Oil	64742-58-1 and/or 64742-62-7	>99%

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Section 4. First aid measures

Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.
Skin contact:	Wash with soap and water. If skin irritation occurs, get medical attention.
Inhalation:	Remove exposed person to fresh air if adverse effects are observed.
Ingestion:	Treat symptomatically. Get medical attention.

Section 5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media:	Carbon dioxide, dry chemical, foam, water fog.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Special exposure hazards arising from mixture:	A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information. Water may cause splattering. Container may rupture on heating.
Special protective equipment for fire-fighters:	No data available.
Special protective equipment for fire-fighters:	Recommend wearing self-contained breathing apparatus.

Section 6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas.
Methods and materials for containment and cleaning up:	Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.
Environmental Precautions:	Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

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Section 7. Handling and storage

Precautions for Safe Handling: Observe good industrial hygiene practices. Provide adequate ventilation.

Advice in general, occupational hygiene:

Conditions for Safe Storage: Store away from incompatible materials. See section 10 for incompatible materials.

Section 8. Exposure controls/personal protection

Occupational Exposure Limits:

<u>Substance Name</u>	<u>Limit/Standard</u>
None of the components have assigned exposure limits.	

Appropriate Engineering Controls: Use material in well-ventilated area only. Adequate ventilation should be provided so that exposure limits are not exceeded. Mechanical ventilation or local exhaust ventilation may be required.

Individual Protection Measures, such as Personal Protective Equipment:

Eye/Face Protection: If contact is likely, safety glasses with side shields are recommended.

Hand Protection: Suitable gloves can be recommended by the glove supplier. Consult clothing/glove manufacturer to determine appropriate type of glove for given situation. Gloves should always be inspected before each use and discarded if they show tears, pinholes, or signs of wear.

Skin and Body Protection: Long sleeve shirt is recommended.

Respiratory Protection: Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Use self-contained breathing apparatus for entry into confined spaces.

General Hygiene Considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Section 9. Physical and chemical properties

Appearance Amber
Physical State Liquid
Odor Mild

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Odor Threshold:	No data available
pH:	No data available
Melting/Freezing Point:	NA
Initial Boiling Point:	No data available
Flash Point:	460.0 °F (237.8 °C) (Cleveland Open Cup)
Evaporation Rate:	ND
Flammability (solid,gas):	No data available
Upper/Lower Flammability or Explosive Limits	
Flammability Limit	
Lower %:	No data available
Upper %:	No data available
Explosive Limit	
Lower %:	No data available
Upper %:	No data available
Vapor Pressure:	
Vapor Density:	ND
Relative Density:	0.833 68 °F (20 °C)
Solubility (water):	No data available
Partition Coefficient	No data available
(n-octanol/water):	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	90 - 110 mm ² /s (104 °F (40 °C)) 14.2 mm ² /s (100 °C (212 °F)

Section 10. Stability and reactivity

Reactivity:	No data available
Chemical Stability:	Stable.
Possibility of Hazardous Reactions:	Material is stable under normal conditions.
Conditions to Avoid:	Do not expose to excessive heat, ignition sources, or oxidizing materials.
Incompatible Materials:	Strong oxidizing agents. Strong bases. Strong mineral acids and strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

Section 11. Toxicological information

Information on Likely Routes of Exposure

Inhalation	No data available
Eye Contact	No data available
Skin Contact	No data available
Ingestion	No data available

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Symptoms Related to the Physical, Chemical and Toxicological Characteristics:

Eye contact: No specific data.

Inhalation: No specific data.

Information on Toxicological Effects

Acute Toxicity: Not applicable.

Skin Corrosion / Irritation: Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin. Prolonged or repeated contact may cause irritation.

Remarks: Not classified as a primary skin irritant.

Serious Eye Damage / Eye Irritation: Not applicable.

Respiratory or Skin Sensitization

Respiratory Sensitization: Not available.

Skin Sensitization: Not available.

Mutagenicity: Not available.

Carcinogenicity: No known significant effects or critical hazards.

Reproductive Toxicity: No known significant effects or critical hazards.

Specific Target Organ Toxicity

- Single Exposure

Specific Target Organ Toxicity If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

- Repeated Exposure

Aspiration Hazard No known significant effects or critical hazards.

Chronic Effects No known significant effects or critical hazards.

Section 12. Ecological information

Ecotoxicity: No data available

Persistence and Degradability: No data available

Bio accumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available

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Section 13. Disposal considerations

Disposal Instructions: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Section 14. Transport information

DOT: Not regulated as dangerous goods.
IMDG: Not regulated as dangerous goods.

Section 15. Regulatory information

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

Section 16. Other information

Issuing Date: 2015 August 17th
SDS Revision Date: 2023 December 6th
Revision Note: Date Extension- Review Completed

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