

GHS - SAFETY DATA SHEET

Date: 2023.11.30

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

Product Name **Gelation Index Reference Oil – GIR-150**

Recommended Use: Low-temperature 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: 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 %
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	100

GHS - SAFETY DATA SHEET

Date: 2023.11.30

Section 4. First aid measures

Eye contact:	Flush with water for 15 minutes. If irritation continues, contact a physician.
Skin contact:	Wash skin thoroughly with soap and water. Launder soiled clothing. If irritation continues, contact a physician.
Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Ingestion:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Section 5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable Extinguishing Media:	Do not use water jet.
Special exposure hazards arising from mixture:	In a fire or if heated, a pressure increase will occur and the container may burst.
Special protective equipment for fire-fighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
Methods and materials for containment and cleaning up:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain

GHS - SAFETY DATA SHEET

Date: 2023.11.30

and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Environmental Precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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:

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

Occupational Exposure Limits:

Substance Name	Limit/Standard	
	TWA	5mg/M3 TWA ACG1H
Distillates (petroleum), solvent-dewaxed heavy paraffinic	NIOSH REL	TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist
	OSHA PEL	TWA: 5 mg/m ³ 8 hours.

GHS - SAFETY DATA SHEET

Date: 2023.11.30

Appropriate Engineering Controls:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual Protection Measures, such as Personal Protective Equipment:	
Eye/Face Protection:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mist, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.
Hand Protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Skin and Body Protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory Protection:	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
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 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

Appearance	Amber
Physical State	Liquid
Odor	Slight Hydrocarbon
Odor Threshold:	Not Available
pH:	Not Available
Melting/Freezing Point:	0°C (32°F)
Initial Boiling Point:	207 to 750°C (404.6 to 1382°F)
Flash Point:	Open cup: 316°C (600.8°F) [Cleveland.]
Evaporation Rate:	ND
Flammability (solid,gas):	Not Available

GHS - SAFETY DATA SHEET

Date: 2023.11.30

Upper/Lower Flammability or Explosive Limits

Flammability Limit

Lower %: Not Available

Upper %: Not Available

Explosive Limit

Lower %: Typical 1% (V)

Upper %: Typical 10% (V)

Vapor Pressure: 0.0088 kPa (0.066 mm Hg) [room temperature]

Vapor Density: ND

Relative Density: 0.893

Solubility (water): Insoluble in the following materials: cold water and hot water.

Partition Coefficient

(n-octanol/water): Not Available

Auto-ignition Temperature: Not Available

Decomposition Temperature: Not Available

Viscosity: Kinematic (40°C (104°F)): 4.92 cm²/s (492 cSt)

Section 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: No specific data.

Incompatible Materials: No specific data.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on Likely Routes of Exposure

Inhalation No known significant effects or critical hazards.

Eye Contact No known significant effects or critical hazards.

Skin Contact No known significant effects or critical hazards.

Ingestion No known significant effects or critical hazards.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics:

Eye contact: No specific data.

Inhalation: No specific data.

GHS - SAFETY DATA SHEET

Date: 2023.11.30

Information on Toxicological Effects

Acute Toxicity:	Not available.
Skin Corrosion / Irritation:	Not available.
Serious Eye Damage / Eye Irritation:	Not applicable.
Respiratory or Skin Sensitization	
Respiratory Sensitization:	Not available.
Skin Sensitization:	Not available.
Mutagenicity:	Not available.
Carcinogenicity:	Not available.
Reproductive Toxicity:	Not available.
Specific Target Organ Toxicity	Not available.
- Single Exposure	
Specific Target Organ Toxicity	Not available.
- 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:	Contains no substances known to be hazardous to the environment at concentration that would be significant.
Persistence and Degradability:	Not available.
Bio accumulative Potential:	Contains components with the potential to bio accumulate.
Mobility in Soil:	Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.
Other Adverse Effects:	No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal Instructions:	It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with the applicable regulations. Waste product should not be allowed to contaminate soils or
-------------------------------	--

GHS - SAFETY DATA SHEET

Date: 2023.11.30

ground water or be disposed of into the environment. Do not dispose into the environment, in drains or in water courses.

Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand. Disposal should be in accordance with applicable regional, national, and local laws and regulations.

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 November 30th
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

General Disclaimer

*Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, **SAVANTECH or Savant, Inc.** extend no warranties, make no representations and assume no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.*

End of Safety Data Sheet