

# GHS - SAFETY DATA SHEET

Date: 2022.11.09

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

**Product Name** High Temperature / High Shear Reference Oil – (R-350, R-2350, RL242)  
**Recommended Use:** Viscometer and/or density measurement 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  
**Fax:** 989-496-3438

## 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  
**CAS number/other Identifiers:** 64742-65-0

Chemical Name	CAS-No	Weight %
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	>99%

# GHS - SAFETY DATA SHEET

Date: 2022.11.09

## Section 4. First aid measures

- Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Skin contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Inhalation:** Remove person 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 person 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.

**Most Important Symptoms/Effects:**

No known significant effects or critical hazards

**Indication of immediate medical attention and special treatment needed:**

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled

## 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.

# GHS - SAFETY DATA SHEET

Date: 2022.11.09

## Section 6. Accidental release measures

**Personal precautions, protective equipment, and emergency procedures:**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding area. Keep necessary 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:**

**Small spill:** 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.  
**Large spill:** 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 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:**

Put on appropriate personal protective equipment (see Section 8).

**Advice in 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**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 (see Section 10) and food and drink. Keep container tightly closed and sealed until ready to 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.

# GHS - SAFETY DATA SHEET

Date: 2022.11.09

## Section 8. Exposure controls/personal protection

### Occupational Exposure Limits:

OSHA		
Component	Type	Value
Distillates (petroleum), solvent-dewaxed heavy paraffinic	PEL	5mg/m3

ACGIH

Component	Type	Value
Distillates (petroleum), solvent-dewaxed heavy paraffinic	TWA	5mg/m3

NIOSH

Component	Type	Value
Distillates (petroleum), solvent-dewaxed heavy paraffinic	STEL	10mg/m3
	TWA	5mg/m3

**Appropriate Engineering Controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### 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, mists, 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.

# GHS - SAFETY DATA SHEET

Date: 2022.11.09

## Section 9. Physical and chemical properties

<b>Appearance</b>	Amber
<b>Physical State</b>	Liquid
<b>Odor</b>	Hydrocarbon-like
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	Not Available
<b>Melting/Freezing Point:</b>	0°F (32°C)
<b>Initial Boiling Point:</b>	207 to 750°C (404.6 to 1382°F)
<b>Flash Point:</b>	Open Cup: 255°C (491°F), Cleveland
<b>Evaporation Rate:</b>	<0.04 (butyl acetate -1)
<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>	Not Available
<b>Upper %:</b>	Not Available
<b>Vapor Pressure:</b>	0.0029 kPa (0.022 mm Hg) [Room Temperature]
<b>Vapor Density:</b>	Not Available
<b>Relative Density:</b>	0.87
<b>Solubility (water):</b>	Insoluble
<b>Partition Coefficient</b>	
<b>(n-octanol/water):</b>	2 to 6
<b>Auto-ignition Temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity:</b>	Kinematic (40°C (104°F)): 0.64 cm <sup>2</sup> /s (64 cSt)

## Section 10. Stability and reactivity

<b>Reactivity:</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical Stability:</b>	Stable.
<b>Possibility of Hazardous Reactions:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to Avoid:</b>	No specific data.
<b>Incompatible Materials:</b>	No specific date.
<b>Hazardous Decomposition Products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on Likely Routes of Exposure

<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Eye Contact</b>	No known significant effects or critical hazards.

# GHS - SAFETY DATA SHEET

Date: 2022.11.09

<b>Skin Contact</b>	No known significant effects or critical hazards.
<b>Ingestion</b>	May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.
<b>Symptoms Related to the Physical, Chemical and Toxicological Characteristics:</b>	
<b>Eye contact:</b>	No specific data.
<b>Inhalation:</b>	No specific data.
<b>Information on Toxicological Effects</b>	
<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> - Single Exposure	No known significant effects or critical hazards.
<b>Specific Target Organ Toxicity</b> - Repeated Exposure	No known significant effects or critical hazards.
<b>Aspiration Hazard</b>	No known significant effects or critical hazards.
<b>Chronic Effects</b>	No known significant effects or critical hazards.

## Section 12. Ecological information

<b>Ecotoxicity:</b>	Not expected to be harmful to aquatic organisms.
<b>Persistence and Degradability:</b>	Not available.
<b>Bio accumulative Potential:</b>	No information available.
<b>Mobility in Soil:</b>	No available.
<b>Other Adverse Effects:</b>	No known significant effects or critical hazards.

## Section 13. Disposal considerations

<b>Disposal Instructions:</b>	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the
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# GHS - SAFETY DATA SHEET

Date: 2022.11.09

requirements of all authorities, with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. The material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 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 17<sup>th</sup>  
SDS Revision Date: 2022 November 9<sup>th</sup>  
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