

GHS - SAFETY DATA SHEET

Date: 2023.8.9

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

Product Name **RPVOT Reference Oil – (QHR)**

Recommended Use: Oxidation stability 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 %
Severely Hydrate heavy Paraffinic Distillate	64742-54-7	30-40
Triphenyl Phosphate	115-86-6	0.1 < 1%

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Section 4. First aid measures

- Eye contact:** Immediately flush eyes with plenty of water. If irritation occurs, get medical assistance.
- Skin contact:** Wash the contact area 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.
- 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 occur, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
- Ingestion:** First aid is normally not required. Seek medical attention if discomfort occurs.

Section 5. Fire-fighting measures

Extinguishing media

- Suitable Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.
- Unsuitable Extinguishing Media:** Do not use water jet.

Special exposure hazards arising from mixture:

Special protective equipment for fire-fighters: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Special protective equipment for fire-fighters: Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces.

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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:

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

Section 7. Handling and storage

Precautions for Safe Handling:

Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g. during switch-loading operations).

Advice in general, occupational hygiene:

Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazards from static accumulation. Consult local applicable standards for guidance.

Conditions for Safe Storage:

The type of container used to store the material may affect static accumulation and dissipation. Do not store in open or unlabeled containers. Keep away from incompatible materials.

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Section 8. Exposure controls/personal protection

Occupational Exposure Limits:

Substance Name	Form	Limit/Standard		Source
Severely Hydrate heavy Paraffinic Distillate	Mist	TWA	5 mg/m3	OSHA
Severely Hydrate heavy Paraffinic Distillate	Inhalation fraction	TWA	5 mg/m3	ACGIH
Triphenyl Phosphate		TWA	3 mg/m3	OSHA
Triphenyl Phosphate		TWA	3 mg/m3	ACGIH

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.

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Section 9. Physical and chemical properties

Appearance	Pale Yellow
Physical State	Liquid
Odor	Hydrocarbon-like
Odor Threshold:	Not Available
pH:	Not Available
Melting/Freezing Point:	NA
Initial Boiling Point:	(>)316°C (600°F)
Flash Point:	(>) 419°F minimum ASM D92 (216°C)
Evaporation Rate:	ND
Flammability (solid,gas):	Not Available
Upper/Lower Flammability or Explosive Limits	
Flammability Limit	
Lower %:	Not Available
Upper %:	Not Available
Explosive Limit	
Lower %:	0.9
Upper %:	7.0
Vapor Pressure:	<0.013kPa (0.1 mmHg) at 20°C
Vapor Density:	>2 at 101kPa
Relative Density:	0.86
Solubility (water):	Nil
Partition Coefficient	
(n-octanol/water):	2 to 6
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity:	NA

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:	Hazardous polymerization will not occur
Conditions to Avoid:	High heat. High energy sources of ignition.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Material does not decompose at ambient temperatures.

Section 11. Toxicological information

Information on Likely Routes of Exposure

Inhalation	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
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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

Eye Contact

May cause minor eye irritation.

Skin Contact

Material expected to cause no more than minor skin irritation following prolonged or repeated contact.

Ingestion

Not expected to be acutely toxic by ingestions. Abdominal discomfort, nausea and diarrhea may occur.

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:

Not applicable.

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

No known significant effects or critical hazards.

- Single Exposure

Specific Target Organ Toxicity

No known significant effects or critical hazards.

- 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:

Not expected to be harmful to aquatic organisms.

Persistence and Degradability:

Not available.

Bio accumulative Potential:

Base oil component-Expected to be inherently biodegradable.

Mobility in Soil:

Base oil component-Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

Other Adverse Effects:

No known significant effects or critical hazards.

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Section 13. Disposal considerations

Disposal Instructions: 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. Protect the environment. Dispose of used oil at designated sites. Minimize skin contact. Do not mix with solvents, brake fluids or coolants.

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 August 9th
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