

GHS - SAFETY DATA SHEET

Date: 2023.11.29

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

Product Name **TEOST® 33C Reference Oil – T33C-1**

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

GHS - SAFETY DATA SHEET

Date: 2023.11.29

Chemical Name	CAS-No	Weight %
Interchangeable low viscosity base oil	Not Assigned	0-90
Alkaryl amine	36878-20-3	1-3

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:** 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.
- Ingestion:** If material is swallowed, give 2 glasses of water and DO NOT induce vomiting. Contact a physician.

Section 5. Fire-fighting measures

Extinguishing media

- Suitable Extinguishing Media:** Carbon dioxide, dry chemical, foam, water fog.
- Unsuitable Extinguishing Media:** Water spray or stream.
- Special exposure hazards arising from mixture:** None in particular.
- Special protective equipment for fire-fighters:** As in any fire, wear self-contained breathing apparatus and full protective gear.
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Section 6. Accidental release measures

- Personal precautions, protective equipment, and emergency procedures:** For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- Methods and materials for containment and cleaning up:** Absorb large spills with commercially available absorbent materials such as absorbent clay, sand, silica gel, acid binder, universal binder, sawdust, etc.

GHS - SAFETY DATA SHEET

Date: 2023.11.29

Environmental Precautions: 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.

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>	
Oil mist, mineral	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 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: 2023.11.29

Section 9. Physical and chemical properties

Appearance	Amber
Physical State	Liquid
Odor	Slight Hydrocarbon
Odor Threshold:	Not Available
pH:	Not Available
Melting/Freezing Point:	NA
Initial Boiling Point:	>280°C / 536 °F estimated value (s)
Flash Point:	211°C / 412°F ASTM D93
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 %:	Typical 1% (V)
Upper %:	Typical 10% (V)
Vapor Pressure:	<0.5 Pa (20°C / 68°F)
Vapor Density:	ND
Relative Density:	0.8578 (15°C /59.0°F)
Solubility (water):	Not Available
Partition Coefficient	Log Pow:>6
(n-octanol/water):	Not Available
Auto-ignition Temperature:	>320°C / 608 °F
Decomposition Temperature:	Not Available
Viscosity:	64.6 mm ² /s (100°C / 212 °F) ASTM D445

Section 10. Stability and reactivity

Reactivity:	Not reactive under normal conditions.
Chemical Stability:	Stable.
Possibility of Hazardous Reactions:	Reacts with strong oxidizing agents.
Conditions to Avoid:	High temperatures and direct sunlight.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	No decomposition if stored and applied as directed.

GHS - SAFETY DATA SHEET

Date: 2023.11.29

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 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	Slightly irritating to skin. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Based on available data, the classification criteria are met.
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

- Single Exposure

Specific Target Organ Toxicity No known significant effects or critical hazards.

Toxicity

- Repeated Exposure

Aspiration Hazard No known significant effects or critical hazards.

Chronic Effects No known significant effects or critical hazards.

GHS - SAFETY DATA SHEET

Date: 2023.11.29

Section 12. Ecological information

Ecotoxicity:	Contains no substances known to be hazardous to the environment at concentration that would be significant.
Persistence and Degradability:	Expected to be not readily biodegradable. Product contains components that may persist in the environment.
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:	<p>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 ground water or be disposed of into the environment. Do not dispose into the environment, in drains or in water courses.</p> <p>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.</p>
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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.

GHS - SAFETY DATA SHEET

Date: 2023.11.29

Section 16. Other information

Issuing Date: 2015 August 17th
SDS Revision Date: 2023 November 29th
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

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End of Safety Data Sheet