

# GHS - SAFETY DATA SHEET

Date: 2023.12.5

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

**Product Name**            **TEOST® MHT® Catalyst**  
**Recommended Use:**    Catalytic material for use in high temperature deposit test 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:**



**Signal Word:**                Danger

**Hazard Statement:**        Flammable liquid and vapor  
                                    Harmful if swallowed.  
                                    Causes skin irritation.  
                                    Causes serious eye irritation.  
                                    Harmful if inhaled.  
                                    May cause respiratory irritation.  
                                    May damage fertility or the unborn child.  
                                    Causes damage to organs through prolonged or repeated exposure.  
                                    Very toxic to aquatic life with long-lasting effects.

### **Precautionary Statements**

**Prevention:**                Keep away from heat/sparks/open flames/hot surfaces/- No smoking.  
                                    Do not breathe dust/fume/gas/mist/vapors/spray.  
                                    Avoid release to the environment.  
                                    Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**                 IF SWALLOWED: Call a POISON CENTER or doctor/physician If you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention

**Storage:**                    Store in a well-ventilated place. Keep cool.

**Disposal:**                    Not applicable.

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**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:**

Chemical Name	CAS-No	Weight %
Ferric Naphthenate (81.8%)	1338-14-3	<99
Lead Naphthenate (12.3%)	61790-14-5	10-20
Stannous Octoate (5.9%)	301-10-00	<10

## 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

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## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical powder, alcohol-resistant foam, or water spray.

**Unsuitable Extinguishing Media:** NA

**Special exposure hazards arising from mixture:** May emit hazardous fumes under fire conditions.

**Special protective equipment for fire-fighters:** NA

**Special protective equipment for fire-fighters:**

## Section 6. Accidental release measures

**Personal precautions, protective equipment, and emergency procedures:** Wear a self-contained breathing apparatus, rubber boots, gloves, and disposable coveralls. Dispose of coveralls after use. Remove from ignition sources if safe to do so. Follow emergency response plan and contact proper authorities if needed. Keep unprotected persons away

**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:** Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite, or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill after material pickup is complete.

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## Section 7. Handling and storage

**Precautions for Safe Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.

**Advice in general, occupational hygiene:**

**Conditions for Safe Storage:** Store in a tightly closed container in a dry, well-ventilated place.

## Section 8. Exposure controls/personal protection

### Occupational Exposure Limits:

OSHA	Component	Type	Value
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	PEL	0.1 mg/m3

ACGIH

Component	Type	Value
Distillates (petroleum), solvent-dewaxed heavy paraffinic	TWA	Not Available

NIOSH

Component	Type	Value
Distillates (petroleum), solvent-dewaxed heavy paraffinic	STEL TWA	Not Available

**Appropriate Engineering Controls:** Use product in a well-ventilated area or under a fume hood. Use proper lab equipment while handling this product. Keep away from incompatible materials for possible risk of hazardous reaction.

### Individual Protection Measures, such as Personal Protective Equipment:

**Eye/Face Protection:** Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash station in your vicinity.

**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:** Wear impervious gloves and protective clothing.

**Respiratory Protection:** Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

**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

<b>Appearance</b>	Amber
<b>Physical State</b>	Liquid
<b>Odor</b>	Not Available
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	Not Available
<b>Melting/Freezing Point:</b>	Not Available
<b>Initial Boiling Point:</b>	Not Available
<b>Flash Point:</b>	40°C (104F)
<b>Evaporation Rate:</b>	Not Available
<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>	Not Available
<b>Vapor Density:</b>	Not Available
<b>Relative Density:</b>	Not Available
<b>Solubility (water):</b>	Insoluble
<b>Partition Coefficient</b>	
<b>(n-octanol/water):</b>	Not Available
<b>Auto-ignition Temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity:</b>	Not Available

## Section 10. Stability and reactivity

<b>Reactivity:</b>	Product may react with incompatible materials to release other hazardous substances.
<b>Chemical Stability:</b>	Stable under normal temperatures and pressure.
<b>Possibility of Hazardous Reactions:</b>	No Specific Data
<b>Conditions to Avoid:</b>	Heat, flame, sparks, other ignition sources.
<b>Incompatible Materials:</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products:</b>	Carbon oxides, Tin oxides

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## 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.
<b>Skin Contact</b>	No known significant effects or critical hazards.
<b>Ingestion</b>	No known significant effects or critical hazards.

### Symptoms Related to the Physical, Chemical and Toxicological Characteristics:

<b>Eye contact:</b>	No specific data.
<b>Inhalation:</b>	No specific data.

### Information on Toxicological Effects

<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>	Not available.
<b>Respiratory Sensitization:</b>	Not available.
<b>Skin Sensitization:</b>	Not available.
<b>Mutagenicity:</b>	Not available.
<b>Carcinogenicity:</b>	Not available.

<b>Reproductive Toxicity:</b>	Not available.
<b>Specific Target Organ Toxicity</b> - Single Exposure	Not available.
<b>Specific Target Organ Toxicity</b> - Repeated Exposure	Not available.
<b>Aspiration Hazard</b>	Not available.
<b>Chronic Effects</b>	Not available.

## Section 12. Ecological information

<b>Ecotoxicity:</b>	Not available.
<b>Persistence and Degradability:</b>	Not available.
<b>Bio accumulative Potential:</b>	Not available.
<b>Mobility in Soil:</b>	Not available.
<b>Other Adverse Effects:</b>	Not available.

## 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
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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 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:** Yes  
**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: 2023 December 5<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