

# GHS - SAFETY DATA SHEET

Date: 2017.01.05

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

### 1.1 Product identifier

**Product Name**      TEOST® MHT Catalyst

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use**      Viscometer and/or density measurement equipment calibration and performance verification reference standard

**Uses advised against**      No information available

### 1.3 Details of the supplier of the safety data sheet

**Supplier**      Tannas Company/Savant Tech (a division of Savant, Inc.)  
4800 James Savage Rd.  
Midland, MI 48642 USA

### 1.4 Emergency telephone number

Emergency Phone 989-496-2301  
Fax 989-496-3438

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008  
Not classified

#### **Physical Hazards**

None

#### **Classification according to EU Directives 67/548/EEC or 1999/45/EC**

*For the full text of the R-phrases mentioned in this Section, see Section 16*

**Symbol(s)**      Not hazardous

### 2.2 Label Elements

Not classified

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## 2.3. Other Hazards

### Physical / Chemical Hazards:

No significant hazards.

### Health Hazards:

Excessive exposure may result in eye, skin, or respiratory irritation.

### Environmental Hazards:

No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII.

## Section 3. Composition/information on ingredients

### 3.1 Substances

Hydro treated base oil (Does not contain IP 346 DMSO extract)

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU-GHS Substance Classification	Type
Complex mixture of Ferric Napthenate, Lead Napthenate, Stannous Octoate	215-660-7 263-109-4 206-108-6	1338-14-3 61790-14-5 301-10-0	<10%	Not classified		(1)
Mineral Spirits	271-366-9	68551-17-7	>40%	Not classified		(2)
Kerosene	232-366-4	8008-20-6	<50%	Not classified		(2)

### Type

- (1) Substance classified with a health or environmental hazard.
- (2) Substance with a workplace exposure limit.

## Section 4. First aid measures

### 4.1 Description of 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: Move to a fresh air environment. Contact a physician if discomfort or irritation continues.

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Ingestion: Do not induce vomiting. Seek medical attention.

## **4.2 Most important symptom and effects, both acute and delayed**

**Most Important Symptoms/Effects** Irritation

## **4.3 Indication of immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptoms

## **Section 5. Fire-fighting measures**

### **5.1 Extinguishing media**

#### **Suitable Extinguishing Media**

Carbon dioxide, dry chemical, foam, water fog.

#### **Extinguishing media which must not be used for safety reason**

Water spray or stream.

### **5.2 Special hazards arising from the substance or mixture**

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

None in particular.

### **5.3 Advice for firefighters**

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

As in any fire, wear self-contained breathing apparatus and full protective gear.

## **Section 6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedure**

For personal protection see section 8. Wear a self-contained breathing apparatus, rubber boots and 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.

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## **6.2 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.

## **6.3 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.

## **6.4 Reference to other sections**

See Section 12 for additional information.

## **Section 7. Handling and storage**

### **7.1 Precautions for Safe Handling**

#### **Handling**

Avoid inhaling vapor, mist or fumes.

Avoid prolonged or repeated contact with skin.

Product is readily removed from skin by washing thoroughly with soap and water.

Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

### **7.2 Conditions for safe storage, including and incompatibilities**

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.

### **7.3 Specific end use(s)**

#### **Exposure Scenario**

No information available.

#### **Other Guidelines**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

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## Section 8. Exposure controls/personal protection

### 8.1 Control Parameters

#### Exposure Limits

**Derived No Effect Level** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2 Exposure controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

**Eye Protection** Use splash goggles or face shield when eye contact may occur.

**Skin and Body Protection** Use chemical-resistant apron or other impervious clothing, if needed, to avoid prolonged exposure or repeated skin contact.

**Hand Protection** Use chemical-resistant gloves if needed to avoid prolonged exposure or repeated skin contact.

**Respiratory Protection** If exposure exceeds TLV, use appropriate NIOSH approved respiratory protection.

**Environmental Exposure Controls** No information available

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Physical State** Liquid **Appearance** Opaque

**Odor** Not available

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Property	Values	Remarks/Method
pH	N/A	None known
Melting Point/Range	N/A	None known
Boiling Point/Boiling Range	N/D	None known
Flash Point	N/D	None known
Evaporation rate	N/D	None known
Flammability (solid, gas)	N/A	None known
Vapor Pressure	N/D	None known
Vapor Density	N/D	None known
Relative Density	N/D	None known
Water Solubility	Insoluble	None known
Solubility in other solvents	N/A	None known
Specific gravity (H <sub>2</sub> O = 1)	N/D	None known
Partition coefficient: n-octanol/water	N/A	None known
Decomposition Temperature	N/A	None known
Auto ignition Temperature	N/D	None known
Viscosity	N/A	None known
Explosive Properties	N/A	None known
Oxidizing Properties	N/A	None known

## **9.2 Other information**

VOC Content (%) No information available.

Flammability Limits in Air No information available.

## **Section 10. Stability and reactivity**

### **10.1 Reactivity**

Not reactive under normal conditions.

### **10.2 Chemical stability**

Stable under normal temperatures and pressures.

### **10.3 Possibility of hazardous reactions**

Do not expose to excessive heat, ignition sources, or oxidizing materials.

### **10.4 Conditions to avoid**

Heat, flame, sparks and other ignition sources.

### **10.5 Incompatible materials**

Strong oxidizing agents.

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## **10.6 Hazardous decomposition products**

May produce oxides of carbon and other metal oxides.

## **10.7 Hazardous Polymerization**

Will not occur

## **Section 11. Toxicological information**

### **11.1 Acute Toxicity**

#### **Production information**

<b>Target Organs</b>	Not available
<b>Toxicity Data</b>	Not available
<b>Carcinogenicity</b>	National Toxicology program (NTP) listed not available
<b>Ingestion</b>	International Agency for Research on cancer (IARC)
<b>Potential Symptoms</b>	Not available
<b>Medical Conditions Aggravated by Exposure</b>	None known.
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenic Effects</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>STOT – single exposure</b>	No information available.
<b>STOT – repeat exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

## **Section 12. Ecological information**

### **12.1 Toxicity**

#### **Eco toxicity Effects**

Contains no substances known to be hazardous to the environment at concentration that would be significant.

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## **12.2 Persistence and degradability**

Expected to be not readily biodegradable. Product contains components that may persist in the e

## **12.3 Bio accumulative potential**

Contains components with the potential to bio accumulate.

## **12.4 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.

## **12.5 Results of PBT and vPvB assessment**

N/A

## **12.6 Other adverse effects**

Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

## **Section 13. Disposal considerations**

### **13.1 Waste treatment methods**

#### **Waste from Residues/Unused Products**

Contact a licensed professional waste disposal service. Dispose of in a manner consistent with federal, state and local environmental regulations.

**Contaminated Packaging**      Empty containers should be taken to an approved waste handling site for recycling or disposal.

## **Section 14. Transport information**

**Note:**      The information provided below may not apply to all shipping situation. Consult appropriate Dangerous Goods Regulations for additional requirements and mode-specific, material-specific, or quantity-specific shipping requirements.

### **IMDG/IMO**

<b>14.1 UN-Number</b>	Not regulated.
<b>14.2 Proper Shipping Name</b>	Not regulated.
<b>14.3 Hazard Class</b>	Not regulated.
<b>14.4 Packing Group</b>	Not regulated.
<b>Description</b>	Not regulated.
<b>14.5 Marine Pollutant</b>	None.

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## IMDG/IMO(cont.)

<b>14.6 Special Provisions</b>	None.
<b>14.7 Transport in bulk according To Annex II of MARPOL 73/78 and The IBC Code</b>	No information available.

## RID

<b>14.1 UN-Number</b>	Not regulated
<b>14.2 Proper Shipping Name</b>	Not regulated.
<b>14.3 Hazard Class</b>	Not regulated.
<b>14.4 Packing Group</b>	Not regulated.
<b>Description</b>	Not applicable.
<b>14.5 Environmental hazard</b>	None.
<b>14.6 Special provisions</b>	None.

## ADR

<b>14.1 NU-Number</b>	Not regulated.
<b>14.2 Proper Shipping Name</b>	Not regulated.
<b>14.3 Hazard Class</b>	Not regulated.
<b>14.4 Packing Group</b>	Not regulated.
<b>Description</b>	Not applicable.
<b>14.5 Environmental hazard</b>	None.
<b>14.6 Special Provisions</b>	None.

## IACO

<b>14.1 UN-Number</b>	Not regulated.
<b>14.2 Proper Shipping Name</b>	Not regulated.
<b>14.3 Hazard Class</b>	Not regulated.
<b>14.4 Packing Group</b>	Not regulated.
<b>Description</b>	
<b>14.5 Environmental Hazard</b>	None.
<b>14.6 Special Provisions</b>	None.

## IATA

<b>14.1 UN-Number</b>	Not regulated.
<b>14.2 Proper Shipping Name</b>	Not regulated.
<b>14.3 Hazard Class</b>	Not regulated.
<b>14.4 Packing Group</b>	Not regulated.
<b>Description</b>	Not applicable.
<b>14.5 Environmental hazard</b>	None.
<b>14.6 Special Provisions</b>	None.

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U.S. Dot: Flammable Liquids, NOS    IMDG: Flammable Liquid, NOS    IATA: Flammable Liquids NOS

## Section 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

US Federal Regulations	
US TSCA	Yes
SARA 313	Yes
State Regulations	
International Regulations	
DSL	Yes

### International Inventories

TSCA	Complies
EINECS/ELINCS	N/A
DSL/NDSL	N/A
PICCS	N/A
ENCS	N/A
IECSC	N/A
AICS	N/A
KECL	N/A

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS – European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

PICCS – Philippines Inventory of Chemicals and Chemical Substances

ENCS – Japan Existing and new Chemical Substances

IECSC – China Inventory of Existing Chemical Substances

AICS – Australian Inventory of Chemical Substances

KECL – Korean Existing and Evaluated Chemical Substances

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## 15.2. Chemical Safety Assessment

No information available

## Section 16 Other information

### Full text of R-phrases referred to under Section 2 and 3

No information available

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SDS Revision Date: 2017 January 5<sup>th</sup>

Revision Note: Updated Section 3

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