

GHS - SAFETY DATA SHEET

Date: 2020.07.13

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

Classification of the substance or mixture

Classification (GHS-US):

| | | |
|---------------------------|------------|------|
| Flammable Liquid | Category 3 | H226 |
| Skin Corrosion/Irritation | Category 2 | H315 |
| Aspiration Hazard | Category 1 | H304 |
| STOT SE | Category 3 | H336 |
| Aquatic Chronic | Category 2 | H411 |

GHS Label Elements



Signal word

Warning!

Hazard statement

Flammable liquid and vapor
Causes skin irritation
May be fatal if swallowed and enters airways
May cause drowsiness or dizziness
Toxic to aquatic life with long lasting effects

Physical Hazards

Keep away from heat, sparks and flame. Keep container tightly closed. Use with adequate ventilation. Take precautionary measures against static discharge.

Health Hazards

Harmful if swallowed, can enter lungs and cause damage. May cause chronic effects and eye and respiratory track irritation. Prolonged skin contact may cause irritation.

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Section 3. Composition/information on ingredients

Substances

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

| Chemical Name | EC-No | CAS-No | Weight % |
|---|-------------------------------------|-------------------------------------|----------|
| Complex mixture of Ferric Naphthenate, Lead Naphthenate, Stannous Octoate | 215-660-7 263-109-4 206-108-6 | 1338-14-3 61790-14-5 301-10-0 | <10% |
| Mineral Spirits | 271-366-9 | 68551-17-7 | >40% |
| Kerosene | 232-366-4 | 8008-20-6 | <50% |

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.

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

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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.

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.

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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 ₂ 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

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

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

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IMDG/IMO(cont.)

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

RID

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

ADR

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

IACO

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

IATA

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

Issuing Date: 2017 August 23rd

SDS Revision Date: 2020 July 13th

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