

Signature® Trans Drive Hydraulic Fluid

Safety Data Sheet



SECTION 1 IDENTIFICATION

Product Name: Signature® Trans Drive Hydraulic Fluid

Distributor Information:

Parman Energy Corporation
7101 Cockrill Bend Blvd
Nashville, TN 37209
(800) 727-7920

Product Use: Drive Train Fluid

Emergency Phone Number:

PERS (800) 633-8253

SECTION 2 HAZARD(S) IDENTIFICATION

Classification:

OSHA Regulatory Status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product

Classification of the Substance/Mixture: Not classified

GHS Label Elements:

Signal Word: No signal word

Hazard Statements: No known significant effects or critical hazards.

Precautionary Statements:

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Hazards not Otherwise Classified: None known

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Highly refined mineral oil (C15 - C50)

Other Means of Identification: Not available

CAS Number/Other Identifiers:

CAS Number: Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are

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listed in Section 8

SECTION 4 FIRST-AID MEASURES

General Advice: No hazards which require special first aid measures

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Eye Contact: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Most important symptoms/effects, acute and delayed:

Potential acute health effects:

Eye contact: No known significant effects or critical hazards

Inhalation: No known significant effects or critical hazards

Skin Contact: No known significant effects or critical hazards

Ingestion: No known significant effects or critical hazards

Over-exposure signs/symptoms

Eye contact: No specific data

Inhalation: No specific data

Skin Contact: No specific data

Ingestion: No specific data

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand.

Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

Specific Treatments: No specific treatment

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

SECTION 5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Unsuitable Extinguishing Media: Do not use water jet

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Specific Hazards Arising from the Chemical: Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

Hazardous Decomposition Products: Decomposition products may include the following materials: Carbon dioxide, Carbon monoxide

Special Protective Actions for Fire-Fighters: Fire Fighting Instructions: This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Special Protective Equipment for Fire-Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

For Non-Emergency Personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For Emergency Responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel"

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air)

Methods and Materials Used for Containment and Clean-Up

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures:

Protective Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed. Keep out of the reach of children.

Advice on General Occupational Hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities:

Storage Conditions: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut,

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weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioned or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits: None

Appropriate Engineering Controls:

Engineering Controls: Use in a well-ventilated area.

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal Protective Equipment:

Personal Hygiene Measures: 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.

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection:

Other Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Physical State: Liquid [Mobile Liquid]

Color: Varies depending on specification

Odor: Hydrocarbon

Odor Threshold: Not available

pH: Not available

Melting Point: Not available

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Boiling Point: Not available
Flash Point: (Cleveland Open Cup) 205 ° C - 225 ° C (401 ° F - 437 ° F) Minimum
Evaporation Rate: Not available
Flammability (solid, gas): Not available
Lower and Upper explosive (flammable) limits: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Relative Density: 0.91
Solubility: Insoluble in the following materials: cold water and hot water
Partition Coefficient: Not available
Auto-ignition temperature: Not available
Decomposition Temperature: Not available
Viscosity: Kinematic (40°C (104°F)): 0.5526 cm²/s (55.26 cSt)

SECTION 10 STABILITY AND REACTIVITY

Reactivity: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid: No specific data
Incompatibility With Other Materials: No specific data
Hazardous Decomposition Products: None known (None expected)

SECTION 11 TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

Acute Toxicity: Not available

Irritation/Corrosion: Not available

Sensitization: Not available

Mutagenicity: Not available

Carcinogenicity: Not available

Reproductive Toxicity: Not available

Teratogenicity: Not available

STOT – Single Exposure: Not available

STOT – Repeated Exposure: Not available

Aspiration Hazard: Not available

Information on the likely routes of exposure: Not available

Potential Acute Health Effects:

Eye Contact: Not expected to cause prolonged or significant eye irritation.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing

Skin Contact: Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to

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cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: No known significant effects or critical hazards

Symptoms related to the physical, chemical, and toxicological characteristics

Eye Contact: No specific data

Inhalation: No specific data

Skin Contact: No specific data

Ingestion: No specific data

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure:

Potential Immediate Effects: Not available

Potential Delayed Effects: Not available

Long Term Exposure:

Potential Immediate Effects: Not available

Potential Delayed Effects: Not available

Potential Chronic Health Effects: Not available

General: No known significant effects or critical hazards

Carcinogenicity: No known significant effects or critical hazards

Mutagenicity: No known significant effects or critical hazards

Teratogenicity: No known significant effects or critical hazards

Developmental Effects: No known significant effects or critical hazards

Fertility Effects: No known significant effects or critical hazards

Numerical Measures of Toxicity

Acute Toxicity Estimates: Not available

SECTION 12 ECOLOGICAL INFORMATION

Toxicity: Not available

Persistence and degradability: This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material.

The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulative potential: No information available

Mobility in Soil:

Soil/Water Partition Coefficient (Koc): Not available

Other Adverse Effects: No known significant effects or critical hazards

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SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods

RCRA Classification: Not Regulated

SECTION 14 TRANSPORT INFORMATION

DOT: Not Regulated

TDG: Not Regulated

IMDG: Not Regulated

IATA: Not Regulated

Special Precautions for User: Transport within User's Premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not available

SECTION 15 REGULATORY INFORMATION

U.S. Federal Regulations

TSCA 4(a) Final Test Rules: Not listed

TSCA 8(a) PAIR: Not listed

TSCA 8(a) CDR Exempt/Partial Exemption: Not determined; All components are listed or exempted.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II Substances: Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed

DEA List II Chemicals (Essential Chemicals): Not listed

SARA 302/304 Composition/Information on Ingredients: No products were found

SARA 304 RQ: Not applicable

SARA 311/312 Classification Composition/Information on Ingredients: No products were found

State Regulations:

Massachusetts: None of the components are listed

New York: None of the components are listed

New Jersey: The following components are listed: MINERAL OIL (UNTREATED and MILDLY TREATED)

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Pennsylvania: None of the components are listed

California Prop 65: This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Lists

National Inventory:

Australia: All components are listed or exempted

Canada: All components are listed or exempted

China: All components are listed or exempted

Europe: All components are listed or exempted

Japan: All components are listed or exempted

Malaysia: Not determined

New Zealand: All components are listed or exempted

Philippines: All components are listed or exempted

Republic of Korea: All components are listed or exempted

Taiwan: All components are listed or exempted

SECTION 16 OTHER INFORMATION

Procedure used to derive the classification

Classification	Justification
Not Classified	

Issuing Date: January 25, 2017

Version: 1

Key to Abbreviations:

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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