



SEMI-SYN TGH SDS SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SEMI-SYN TGH
COMMON NAME: Tractor Hydraulic Fluid
CHEMICAL NAME: Lubricating oil
CHEMICAL FORMULA: Mixture
CHEMICAL FAMILY: Hydrocarbon

SUPPLIER:

Boss Lubricants
112, 6303 30 St. SE
Calgary, AB
T2C 1R4

Emergency Phone Number(s)

Business: (800) 844-9457
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SECTION 2: HAZARDS IDENTIFICATION

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

Classification of the substance or mixture: Not Classified

GHS Label Elements

Danger Symbols:



Signal Word: No Signal word

Hazard statements

H317: May cause an allergic skin reaction

Precautionary statements

General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wash... thoroughly after handling

Response

P302+P352: If on skin (or hair) wash with plenty of soap and water.

P321: Specific treatment (see section 4).

P333+P313: If skin irritation or rash occurs Get medical advice/attention.



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P363: Wash contaminated clothing before reuse.

Storage: Not applicable.

Disposal

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Hazards not otherwise classified (HNOC): None known.

Hazardous Material Information System (U.S.A.)

National Fire Protection Association (U.S.A.)

Health: 0 Flammability: 1 Physical hazards: 0

Health: 0 Flammability: 1 Instability: 0

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS	PERCENTAGES	CAS#	Classification	SGH
Triphenyl phosphite	0.1 - 1	101-02-0		
Mineral oil	1 – 5	8012-95-1	Acute Tox. 3;	H331

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional 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 listed in Section 8.

SECTION 4: FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: If material comes in contact with the eyes, immediately wash the eyes with large amount of water for fifteen minutes, occasionally lifting the lower and upper lids. Get medical attention.

Skin Contact: If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash skin with soap and water promptly. If irritation persists after washing, get medical attention.

Inhalation: If person breathes in large amount of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial-respiration. Keep the person warm and at rest. Get medical attention as soon as possible.

Ingestion: If material has been swallowed, do not induce vomiting. Get medical attention immediately.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

Potential acute health effects

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Eye contact: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Skin contact: Adverse symptoms may include the following: irritation, redness.

Ingestion: No known significant effects or critical hazards

Inhalation: Adverse symptoms may include the following: respiratory tract irritation, coughing.



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Eye contact: Adverse symptoms may include the following: pain or irritation, watering, redness.

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

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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

Extinguishing media

Suitable Extinguishing Media: Use water spray to cool fire exposed surfaces and to protect personnel. Use foam, dry chemical or water spray (fog) to extinguish fire.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: Toxic fumes gases or vapors may evolve on burning.

Hazardous thermal decomposition products: No specific data.

Special protective actions for fire-fighters: When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water.

Special protective equipment for fire-fighters: Not applicable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil.

Methods and materials for containment and cleaning up

Spill: Keep unnecessary and unprotected personnel from entering. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

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.

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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

Occupational exposure limits: None

Appropriate engineering controls: Use only with adequate ventilation.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

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. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Recommended: Splash goggles and a face shield, where splash hazard exists.

Skin protection

Hand protection: 4 - 8 hours (breakthrough time): Nitrile gloves.

Body protection: Recommended: Long sleeved coveralls.

Other skin protection: Recommended: Impervious boots.

Respiratory protection: If ventilation is inadequate, use a NIOSH-certified respirator with an organic vapor cartridge and P95 particulate filter.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.	SOLUBILITY:	Insoluble in the following materials: cold water and hot water.
Color:	Amber.	EVAPORATION RATE:	<1 (Butyl acetate = 1).
Odor:	Mild odor.	pH:	N/D
Odor threshold:	Not available.	Flash point:	>205°C (>401°F) (Closed cup)
Melting point:	Not available.	Flammability:	Not available.
BOILING POINT:	N/D.	Lower and upper explosive (flammable) limits:	Not available.
SPECIFIC GRAVITY (water=1):	0.8800 – 0.8900	Relative density:	0.88 to 0.89
VAPOR PRESSURE:	<0.13 kPa (<1 mm Hg) (68°F).	Auto-ignition temperature:	>260°C (>500°F)
VAPOR DENSITY (air=1):	N/D.		

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable at room temperature and pressure. See handling and storage section)

IMCOMPATIBILITY: Reactive or incompatible with the following materials: oxidizing materials.

CONDITIONS TO AVOID: See handling and storage section.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Smoke, carbon monoxide, aldehydes sulphide and alkyl mercaptans may be released. Under combustion conditions, oxides of the following elements will be formed: Magnesium, calcium, nitrogen, sulphur, carbon.



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HAZARDOUS POLYMERIZATION: Will not occur.

REACTIVITY: No specific test data related to reactivity available for this product or its ingredients.

SECTION 11: TOXICOLOGY INFORMATION

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Triphenyl phosphite LD50	Oral	Rat	444 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Triphenyl phosphite	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Severe irritant	Human	-	48 hours 125 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 mg	-
	Skin - Severe irritant	Rabbit	-	500 mg	-

Sensitization

Skin: There is no data available.

Respiratory: There is no data available

Mutagenicity: There is no data available.

Carcinogenicity: There is no data available

Reproductive toxicity: There is no data available

Teratogenicity: There is no data available

Specific target organ toxicity

single exposure: There is no data available.

repeated exposure: There is no data available.

Aspiration hazard: There is no data available.

Information on the likely routes of exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: There is no data available.

Persistence and degradability: There is no data available.

Bioaccumulative potential: There is no data available.

Mobility in soil

Soil/water partition coefficient (KOC): There is no data available.

Other adverse effects: No known significant effects or critical hazards.

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SECTION 13: DISPOSAL CONSIDERATION

Disposal Instructions:	Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
US EPA Waste Number & Descriptions:	These products, if discarded, are not expected to be a characteristic or listed hazardous waste. If recycled in the USA, they can be managed in accordance with the used oil exemption under 40 CFR Part 279. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of these products.

SECTION 14: TRANSPORTATION

Basic Description: Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

DOT

Proper Shipping Name: No data available.
UN Number: No data available.
Hazard Class: No data available.
Packing Group: No data available.

TDG

Proper Shipping Name: No data available.
UN Number: No data available.
Hazard Class: No data available.
Packing Group: No data available.

IMDG

Proper Shipping Name: No data available.
UN Number: No data available.
Hazard Class: No data available.
Packing Group: No data available.
Marine Pollutant: No data available.

IATA

Proper Shipping Name: No data available.
UN Number: No data available.
Hazard Class: No data available.
Packing Group: No data available.

SECTION 15: Regulatory Information

U.S. Federal regulations

TSCA 8(a) PAIR:	2-Butenedioic acid (E)-, di-C8-18-alkyl esters
TSCA 8(a) CDR Exempt/Partial exemption:	Not determined.
United State inventory (TSCA 8b):	All components are listed or exempted.
Clean Water Act (CWA) 311:	Vinyl acetate
Clean Air Act Section 602 Class I Substances:	Not listed
Clean Air Act Section 602 Class II Substances:	Not listed



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DEA List I Chemicals (Precursor Chemicals): Not listed
 DEA List II Chemicals (Essential Chemicals): Not listed
 Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed

SARA 302/304

Composition/information on ingredients

Vinyl acetate: %: 0-0.1; EHS: Yes; SARA 302 TPQ: 1000 lbs/129 gals; SARA 304 RQ: 5000 lbs/644.8 gals.

SARA 304 RQ: 5555555.6 lbs / 2522222.2 kg

SARA 311/312

Hazard classifications: Not applicable.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Triphenyl phosphite	0.1 - 1	No.	No.	No.	Yes.	No.

SARA 313: This product (does/not) contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Product name	CAS	number %
Zinc compounds	Mixture	0.13 as Zinc

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts: None of the components are listed.

New York: None of the components are listed.

New Jersey: The following components are listed: Distillates (petroleum), hydrotreated heavy paraffinic

Pennsylvania: None of the components are listed.

California Prop. 65: WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Vinyl acetate	Yes.	No	No	No

SECTION 16: OTHER INFORMATION

Date: November 11, 2017
Supersedes: January 1, 2015
Revision Information: Update to SDS.



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References

ACGIH:	American Conference of Governmental Industrial Hygienists	NTP:	National Toxicology Program
AIHA:	American Industrial Hygiene Association	OSHA:	Occupational Safety and Health Administration
CFR:	Code of Federal Regulations	PEL:	Permissible Exposure Limit
DOT:	United States Department of Transportation	RTK:	Right-to-Know
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals	SARA:	Superfund Amendments and Reauthorization Act
HMIS:	Hazardous Materials Identification System	STEL:	Short-term Exposure Limit
IARC:	International Agency for Research on Cancer	TDG:	Transportation of Dangerous Goods
IATA:	International Air Transportation Association	TLV:	Threshold limit value
IDLH:	Immediately Dangerous to Life or Health	TSCA:	Toxic Substances Control Act
IMDG:	International Maritime Dangerous Goods	TWA:	Time weighted average
NFPA:	National Fire Protection Association	UN:	United Nations
NIOSH:	National Institute for Occupational Safety and Health	WHMIS:	Workplace Hazardous Materials Information System

Disclaimer This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.