

# SAFETY DATA SHEET

## 1 Product and Company Identification

<b>Product identifier</b>	Pure Drive Hydraulic Fluid
<b>Product type</b>	Polyalkylene Glycol / Polyether Polyol / HFDU-15 PG / HEPG-15
<b>Recommended use</b>	Hydraulic Fluid
<b>Recommended restrictions</b>	None known
<b>Manufacturer information</b>	Trojan Technologies 3020 Gore Road London, ON N5V 4T7 CA Phone: 519-457-3400 Phone: 888-220-6118
<b>CANUTEC</b>	Phone: 613-996-6666

## 2 Hazards Identification

<b>Physical hazards</b>	Not classified
<b>Health hazards</b>	Not classified
<b>Environmental hazards</b>	Not classified
<b>WHMIS 2015 defined hazards</b>	Not classified
<b>Label elements</b>	
<b>Hazard symbol</b>	None
<b>Signal word</b>	None
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.
<b>Precautionary statement</b>	
<b>Prevention</b>	Observe good industrial hygiene practices.
<b>Response</b>	Wash hands after handling.
<b>Storage</b>	Store away from incompatible materials.
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.
<b>WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)</b>	None known
<b>WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)</b>	None known
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known
<b>Supplemental information</b>	None

## 3 Composition/Information on Ingredients

Chemical Name	CAS#	EC#	Range% by Weight
Polyalkylene Glycol	Proprietary	Proprietary	90-100%

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## 4 First Aid Measures

<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin Contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Eye Contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat patient symptomatically.
<b>General Information</b>	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

## 5 Fire Fighting Measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	None
<b>Specific hazards arising from the chemical</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion Products</b>	May include and are not limited to: Mercury, metallic oxides.

## 6 Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. For personal protection, refer <a href="#">Section 8</a> .
<b>Methods and materials for containment and clean up</b>	<p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p>
<b>Environmental precautions</b>	Never return spills to original containers for re-use. For waste disposal, refer <a href="#">Section 13</a> .

## 7 Handling and Storage

<b>Precautions for safe handling</b>	Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat, drink or smoke.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container.  Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep out of reach of children.

## 8 Exposure Controls/Personal Protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Individual protection measures, such as personal protective equipment, Eye/face protection</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Impervious gloves. Confirm with reputable supplier first.
<b>Other</b>	Wear suitable protective clothing. As required by employer code.
<b>Respiratory protection</b>	Not normally required
<b>Thermal hazards</b>	Not applicable
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

## 9 Physical and Chemical Properties

<b>Appearance</b>	Clear green liquid	
<b>Odor</b>	Mild odor	
<b>Odor Threshold</b>	Not Determined	
<b>pH</b>	Not Applicable	Method: ASTM D1293
<b>Melting Point / Freezing Point</b>	Pour Point -62°C (-80°F)	
<b>Initial Boiling Point</b>	Not determined	
<b>Flash Point</b>	123°C (253°F)	Method: ASTM D92
<b>Evaporation Rate</b>	Not determined	
<b>Flammability</b>	Not flammable	
<b>Upper/Lower Explosive Limits</b>	Not determined	
<b>Vapor Pressure</b>	Not determined	Method: ASTM D5482
<b>Vapor Density</b>	Not determined	
<b>Specific Gravity (15°C / 4°C)</b>	0.99	Method: ASTM D4052
<b>Solubility in Water</b>	Complete	
<b>Partition Coefficient</b>	log Pow < 3	Method: ASTM E1147
<b>Autoignition Temperature</b>	Not determined	Method: ASTM E659
<b>Decomposition Temperature</b>	Not determined	Method: ASTM E2550
<b>Viscosity</b>	14.0 cSt @ 40°C	Method: ASTM D445

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<b>Possibility of hazardous reactions</b>	None
<b>Chemical stability</b>	Stable
<b>Conditions to avoid</b>	Keep away from extreme heat
<b>Incompatible materials</b>	Keep away from chlorine, fluorine, and other strong oxidizers
<b>Hazardous decomposition Products</b>	None identified

## 10 Stability and Reactivity

<b>Possibility of hazardous reactions</b>	None
<b>Chemical stability</b>	Stable
<b>Conditions to avoid</b>	Keep away from extreme heat
<b>Incompatible materials</b>	Keep away from chlorine, fluorine, and other strong oxidizers
<b>Hazardous decomposition products</b>	None identified

## 11 Toxicological Information

<b>Primary Routes of Exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Information on likely routes of exposure:</b>	
<b>Ingestion</b>	Eye, Skin contact, Skin absorption, Inhalation, Ingestion.
<b>Inhalation</b>	
<b>Skin contact</b>	May cause irritation.
<b>Eye contact</b>	May cause irritation.
<b>Acute Exposure:</b>	
<b>Dermal</b>	For similar materials: LD <sub>50</sub> , rabbit >20,000 mg/kg No data available to indicate product or components may be a dermal toxicity or sensitization hazard.
<b>Inhalation</b>	For similar materials: LC50, 4h, aerosol, rat, male >5.01 mg/l No data available to indicate product or components may be an inhalation toxicity or sensitization hazard.
<b>Ingestion</b>	For similar materials: LD <sub>50</sub> , rat > 7,000 mg/kg
<b>Chronic Exposure:</b>	
<b>Eye</b>	Prolonged or repeated contact may cause eye irritation.
<b>Dermal</b>	Prolonged or repeated contact may cause eye irritation.
<b>Carcinogenicity</b>	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Reproductive</b>	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
<b>Teratogenicity</b>	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

## 12 Ecological Information

### Environmental Toxicity:

<b>Ecotoxicity:</b>	EPA classification - "practically non-toxic"
<b>Fish Toxicity:</b>	LC <sub>50</sub> = 100 - 1000 mg/L based upon data from similar products.
<b>Invertebrate Toxicity:</b>	LC <sub>50</sub> = 100 - 1000 mg/L based upon data from similar products.
<b>Vascular Plant Toxicity:</b>	No ecological doubt. Not determined.
<b>Algae Toxicity:</b>	No ecological doubt. Not determined.
<b>Bacteria Toxicity:</b>	No ecological doubt. Not determined.

### Environmental Fate:

<b>Persistence and Degradability:</b>	80% OECD301B 28d based upon data from ingredients.
<b>Bioaccumulative Potential:</b>	Nil
<b>Mobility in Soil:</b>	Not determined
<b>Other Adverse Effects:</b>	None identified
<b>Water Hazard Class:</b>	WGK = 1 - Low Hazard to waters

## 13 Disposal Information

<b>Disposal instructions</b>	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. This material, if discarded, should be considered a European non-hazardous waste in accordance with Directive 91/689/EC.
<b>Local disposal regulations</b>	Do not empty into drains; dispose of this material and its container as non-hazardous waste in accordance with all applicable regulations and in accordance with all applicable regulations.
<b>Hazardous waste code</b>	European Waste Catalog Code (EWC-code): 13 01 12
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14 Transport Information

<b>UN number</b>	Not regulated
<b>UN Proper Shipping Name</b>	Not regulated
<b>Transport Hazard Class</b>	Not regulated
<b>Package Group</b>	Not regulated
<b>Marine Pollutant</b>	No
<b>Special Precautions</b>	None

## 15 Regulatory Information

-- Global Chemical Inventories --

<b>USA</b>	All components of this material are on the US TSCA Inventory or are exempt.
<b>EEC</b>	All components are in compliance with the EC 7 <sup>th</sup> Amendment Directive 92/32/EEC.
<b>Canada</b>	All components of this material are DSL listed or are exempt.
<b>Japan</b>	All components are in compliance with the Chemical Substances Control Law of Japan.
<b>Australia</b>	All components are in compliance with chemical notification requirements in Australia.
<b>Korea</b>	All components are in compliance in Korea.

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**Philippines**

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

**China**

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

**Chemical Substance Control Laws:**

**EPA 550-B-01-003**

This product does not contain greater than 1.0% of any chemical substances (0.1% for carcinogens) listed on the Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-To-Know Act (EPCRA) and Clean Air Act Section 112(r): EPCRA Section 302 Extremely Hazardous Substances, CERCLA Hazardous Substances, EPCRA Section 313 Toxic Chemicals, CAA 112(r) Regulated Chemicals For Accidental Release Prevention.

**SARA 311 Classifications**

**Fire Hazard** No

**Sudden Release of Pressure Hazard** No

**Reactive Hazard** No

**Immediate (Acute) Hazard** No

**Delayed (Chronic) Hazard** No

**Right-to-Know Regulations**

**Cal. Prop. 65**

This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, American Chemical Technologies does not routinely analyze its products for impurities which may be such chemicals.

**Other / International Regulation:**

**Harmonized Tariff Schedule Number** 3403.99.0000

## 16 Other Information

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**NFPA Code**

(Health: 1)  
(Flammability: 0)  
(Reactivity: 0)

**Issue Date**

22-January-2018

**Version #**

01

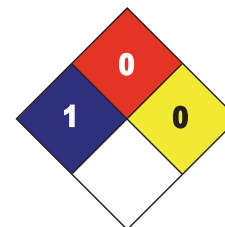
**Effective Date**

22-January-2018

**Prepared by**

Manufacturer Personnel

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0



**Other Information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.