

SDS

GHS Safety Data Sheet

MSDS Number: 5176

Revision Date: 1/26/2012

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PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER

Hutchens Petroleum Corp
22 Performance Drive
Stuart, VA 24171

Product Name: Pride Plus Advantage Fire Resistant Hydraulic Oil
Revision Date: 1/26/2012
Version: 1
MSDS Number: 5176
Common Name: Mixture
CAS Number: Mixture
Product Code: 5176
Chemical Family: Water Glycol Blend
Product Use: Water/Glycol Hydraulic Fluid

Emergency Telephone Number: 800-424-9300 (Chemtrec)

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HAZARDS IDENTIFICATION

Route of Entry: Eyes; Skin; Inhalation; Ingestion
Target Organs: Kidneys; Liver Eyes; Skin
Inhalation: Vapours may cause respiratory tract irritation.
Skin Contact: May cause irritation.
Eye Contact: Moderately irritating. Vapour or mist may cause irritation
Ingestion: Harmful if swallowed. May casue drowsiness and dizziness.

See section 15 for WHMIS and EC classification

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Perc.	Chemical Name
111466	30 - 60%	Diethylene glycol

4 FIRST AID MEASURES

- Inhalation:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Remove contaminated clothing and wash before reuse. Promptly flush skin with water until all chemical is removed. Wash with soap and water. Get medical attention if needed.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Remove contact lenses after initial 1-2 minutes of flushing and continue flushing. Get medical attention if irritation persists.
- Ingestion:** DO NOT DELAY. Do not induce vomiting. For spontaneous vomiting, keep head below hips. Dilute with 1 glass of water. Do NOT give liquids to a drowsy, convulsing or unconscious person. Seek immediate medical attention.

Notes to Physician: No specific antidote known. Based on individual reactions of the patient, the physician's judgment should be used to control symptoms and clinical conditions.

5 FIRE FIGHTING MEASURES

- Flammability:** OSHA/NFPA Class IIIB combustible liquid
- Flash Point:** 149°C (300°F)
- Flash Point Method:** PMCC
- Autoignition Temp:** 260°C (500°F)

Extinguishing Media: Alcohol-resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use direct water stream.

Specific Hazards: Material will not burn unless preheated. Containers exposed to intense heat from fires should be cooled with large quantities of water.

Protective Equipment: Wear full protective clothing and self-contained breathing apparatus (SCBA).

Hazardous Combustion Products: Smoke may contain the original material in addition but not limited to: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides.

6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Isolate area. Avoid contact with spilled material. Watch out for slippery conditions when spillage. Refer to Section 8 of this Material Safety Data Sheet for personal protective equipment.

Clean Up Methods: Contain spilled material if possible. Collect in suitable and properly labeled containers. Small spills: Pick up excess with inert absorbent material and place into separate waste container. Large Spills: Dike material. Keep away from drains and ground water. Pump into suitable and properly containers or salvage truck for recovery or safe disposal. See Section 13 for disposal considerations.

Additional Advice: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

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7 HANDLING AND STORAGE

Handling Precautions: Do not swallow. Avoid contact with eyes, skin, or clothing. Consider normal working hygiene. Wash thoroughly after handling. Wash clothing before reuse and decontaminate or discard contaminated shoes. Do not expose containers to open flame, excessive heat, or direct sunlight. Do not puncture or drop containers. Handle with care and avoid spillage on the floor (slippage). Keep material out of reach of children. Use local exhaust over processing area.

Storage Requirements: Keep away from heat, sparks, and flames. Protect container and its fittings from physical damage. Store in cool/dry area. Suitable packing materials. Do not store near food, foodstuffs, drugs or potable water supplies.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use mechanical (general) ventilation to control airborne levels below exposure guidelines.

Personal Protective Equip: HMIS PP, B | Goggles, Gloves

Eyes/Face Protection: Usage of safety glasses/ goggles is recommended.

Skin Protection: Chemical resistant gloves; Apron; Boots; Face shield or Full suit selection will depend on task. Launder contaminated clothing before use.

Hand Protection: Use of gloves approved to relevant standards made from the following materials may provide suitable protection: PVC, Neoprene rubber or nitrile rubber. Personal hygiene is a key element of effective hand care.

Respiratory Protection: If ventilation does not control airborne concentrations, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation.

Ingestion: Use good personal hygiene. Do not consume food in the work area. Wash hands before eating, drinking or smoking.

Exposure Limits:

Component	List	Type	Value
Diethylene Glycol	WEEL	TWA	10 mg/m ³ aerosol
Pride Plus Advantage FRH	Recommended	TWA	10mg/m ³ mist

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red with Orange Tint	Odor:	Amine like
Physical State:	Liquid	Solubility:	Completely
Spec Grav./Density:	1.0874 @ 60°F	Freezing/Melting Pt.:	<-40°C (-40°F)
Boiling Point:	Foams	Vapor Density:	>1.0
Vapor Pressure:	<0.01 mmHg @ 20°C		
pH:	9.5		

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: High Temperature.

Materials to Avoid: Strong Oxidizing Agents. Strong Acids; Strong Bases.

Hazardous Decomposition: Combustion will produce oxides of carbon and nitrogen and, possibly toxic chemicals such as carbon monoxide. Aldehydes; Alcohols; Ethers

Hazardous Polymerization: Will not occur.

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TOXICOLOGICAL INFORMATION

Acute Toxicity:

Oral: Estimated fatal dose for Diethylene Glycol in Human Adult is 100 ml (1/2 cup).

Inhalation: Inhalation of vapours may cause irritation to the respiratory system.

Skin irritation: May cause moderate skin irritation.

Eye irritation: Irritating to eyes.

Sensitisation: Not a skin sensitiser.

Chronic Toxicity and Carcinogenicity: The product has not been tested.

Repeated Dose Toxicity: Shown effects on Kidney, Liver, Central Nervous System based on components

Mutagenicity: The product has not been tested.

Reproductive and Developmental Toxicity: Affects reproductive systems in animals; considered to be secondary to other toxic effects.

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ECOLOGICAL INFORMATION

Acute Toxicity:

Fish: Low toxicity: LC/EC/IC50 >1000 mg/l for Diethylene Glycol

Aquatic Invertebrates: Low toxicity: LC/EC/IC50 >1000 mg/l for Diethylene Glycol

Algae: Low Toxicity: LC/EC/IC50 >1000 mg/l for Diethylene Glycol

Microorganisms: Low Toxicity: LC/EC/IC50 >1000 mg/l for Diethylene Glycol

Mobility: Dissolves in water. If product enters soil, it will be highly mobile and may contaminate ground water.

Persistence/degradability: Biodegradable, not readily biodegradable . Oxidises rapidly by photo-chemical reactions with air.

Bioaccumulation: Does not bioaccumulate significantly.

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DISPOSAL CONSIDERATIONS

This material, if discarded as produced, is not a RCRA "listed" hazardous waste. However, it should be fully characterized for toxicity and

possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14**TRANSPORT INFORMATION****US DOT Classification (49CFR)**

NOT REGULATED

Canadian Road and Rail Shipping Classification

NOT REGULATED

IMDG

NOT REGULATED

IATA/ICAO

NOT REGULATED

15**REGULATORY INFORMATION****OSHA Hazard Communication Standard:**

This product is a "Hazardous Chemical" as defined by the OSHA 29CFR 1910.1200

SARA Hazardous Categories Section 311/312 (EPCRA):

Immediate (Acute): yes

Delayed (Chronic): yes

Fire: no

Reactive: no

Sudden Release: no

SARA Toxic Release Inventory Section 313 (TRI):

NONE

CERCLA

NONE

California Safe Water Drinking and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Notification Status

DSL (CA)	Listed
TSCA (US)	Listed
EINECS (EU)	Listed
AICS (AU)	Listed
ENCS (JP)	Listed

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ECL (KR) Listed
PICCS (PH) Listed
CLECS (CH) Listed

EC Classification 1999/45/EC: Harmful

EC Symbol: Xn Harmful I



EC Risk Phase: R 20 - Harmful by inhalation

R 21 - Harmful in contact with skin

R 22 - Harmful if swallowed

EC Safety Phrase: S2 - Keep out of reach of children

S13 - Keep away from food, drink and animal foodstuff

S20 - When using, do not eat or drink

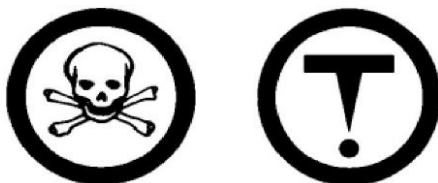
S21 - When using, do not smoke

S46 - If swallowed seek medical advice immediately and show container or label

WHMIS Classification:

D1B: Materials Causing Immediate and Serious Toxic Effects - Toxic Material

D2B: Materials Causing Other Toxic Effects - Toxic Material



COMPONENT / (CAS/PERC) / CODES

*Diethylene glycol (111466 30-60%) HAP, PA, TSCA

*Ethanol, 2-(dimethylamino)- (108010 1-5%) HAP, MASS, PA, TSCA

REGULATORY KEY DESCRIPTIONS

HAP = Hazardous Air Pollutants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

MASS = MA Massachusetts Hazardous Substances List

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OTHER INFORMATION

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).