



# PETRA™ SYNTHETIC H/A DUAL PUMP FLUID 16 FL. OZ.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 12/03/2025

Version:

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Petra™ Synthetic H/A Dual Pump Fluid 16 FL. OZ.  
Product code : 85016G 16 FL. OZ.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Synthetic Transmission Fluid

#### 1.3. Details of the supplier of the safety data sheet

Petra Oil Company  
6100 West by Northwest Blvd. Ste. 190  
Houston, TX 77040  
T 713-856-5700

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 24 Hour 1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Not classified

#### 2.2. Label elements

##### GHS-US labeling

Signal word (GHS-US) : Warning  
Precautionary statements (GHS-US) : P264 - Wash affected areas thoroughly after handling  
P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

#### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Ultra S 3	(CAS No) 64742-55-8	30 - 50	Not classified
Ultra-S Base Oils 2, 3, 4	(CAS No) Mixture	30 - 50	Asp. Tox. 1, H304
distillates (petroleum), hydrotreated heavy paraffinic	(CAS No) 64742-54-7	10 - 30	Not classified
distillates (petroleum), hydrotreated light paraffinic	(CAS No) 64742-55-8	10 - 30	Not classified
Alkly borate	(CAS No) Confidential	0.214 - 1.0486	Not classified
dibutyl phosphonate	(CAS No) 1809-19-4	0.107 - 0.321	Acute Tox. 4 (Dermal), H312
diphenylamine	(CAS No) 122-39-4	0.0214 - 0.1926	Not classified
alcohols, C11-15-secondary, ethoxylated	(CAS No) 68131-40-8	0.025 - 0.0495	Not classified
sulphur dioxide	(CAS No) 7446-09-5	0.0005 - 0.0045	Acute Tox. 3 (Inhalation:gas), H331 Skin Corr. 1B, H314

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

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|--------------------------------------|--|
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. |
| First-aid measures after ingestion   | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.                               |

### 4.2. Most important symptoms and effects, both acute and delayed

- |                                      |  |
|--------------------------------------|--|
| Symptoms/injuries                    | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/injuries after inhalation   | : May cause irritation or asthma-like symptoms.  |
| Symptoms/injuries after skin contact | : May cause slight irritation . Itching. Red skin.   |
| Symptoms/injuries after eye contact  | : Irritation of the eye tissue. Redness of the eye tissue.                                 |
| Symptoms/injuries after ingestion    | : May be harmful if swallowed and enters airways.  |

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- |                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

- |                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.   |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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|------------------|----------------------------|
| General measures | : Remove ignition sources. |
|------------------|----------------------------|

#### 6.1.1. For non-emergency personnel

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|----------------------|-----------------------------------|
| Protective equipment | : Gloves. Safety glasses.         |
| Emergency procedures | : Evacuate unnecessary personnel. |

#### 6.1.2. For emergency responders

- |                      |  |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- |                         |  |
|-------------------------|--|
| For containment         | : Dam up the liquid spill. Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.                       |
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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|-------------------------------|---|
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. |
| Hygiene measures              | : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.                     |

### 7.2. Conditions for safe storage, including any incompatibilities

- |                        |   |
|------------------------|---|
| Technical measures     | : Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.         |
| Storage conditions     | : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. |
| Incompatible products  | : Strong bases. Strong acids.   |
| Incompatible materials | : Sources of ignition. Direct sunlight.   |

### 7.3. Specific end use(s)

Follow Label Directions.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Ultra S 3 (64742-55-8)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> 8 HOUR MIST
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##### Ultra-S Base Oils 2, 3, 4 (Mixture)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

##### diphenylamine (122-39-4)

USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
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#### 8.2. Exposure controls

- Appropriate engineering controls : Local exhaust ventilation, vent hoods.  
Personal protective equipment : Avoid all unnecessary exposure. Gloves. Safety glasses.



- Hand protection : Wear protective gloves.  
Eye protection : Chemical goggles or safety glasses.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : Wear appropriate mask.  
Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid  
Appearance : Liquid.  
Color : Blue.  
Odor : Characteristic. Petroleum-like odour.  
Odor threshold : No data available  
pH : No data available  
Relative evaporation rate (butyl acetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : > 100 °C  
Flash point : > 100 °C  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapor pressure : No data available  
Relative vapor density at 20 °C : No data available  
Relative density : 0.85  
Solubility : Poorly soluble in water.  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Explosive limits : No data available

#### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Ultra S 3 (64742-55-8)	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	> 5 g/kg
LC50 inhalation rat (mg/l)	> 5 mg/l

Ultra-S Base Oils 2, 3, 4 (Mixture)	
LD50 oral rat	> 5 g/kg
LD50 dermal rat	> 2 g/kg
LC50 inhalation rat (mg/l)	> 5 mg/l (mist)

dibutyl phosphonate (1809-19-4)	
LD50 oral rat	3200 mg/kg (Rat)
LD50 dermal rabbit	1990 mg/kg (Rabbit)

sulphur dioxide (7446-09-5)	
ATE CLP (gases)	700.000 ppmV/4h
ATE CLP (vapors)	3.000 mg/l/4h
ATE CLP (dust, mist)	0.500 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause irritation or asthma-like symptoms.
Symptoms/injuries after skin contact	: May cause slight irritation . Itching. Red skin.
Symptoms/injuries after eye contact	: Irritation of the eye tissue. Redness of the eye tissue.
Symptoms/injuries after ingestion	: May be harmful if swallowed and enters airways.

### SECTION 12: Ecological information

#### 12.1. Toxicity

diphenylamine (122-39-4)	
LC50 fish 1	> 20 mg/l (48 h; Leuciscus idus)
EC50 Daphnia 1	2.3 mg/l (24 h; Daphnia magna)

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diphenylamine (122-39-4)	
LC50 fish 2	2.2 - 5.1 mg/l (48 h; Oryzias latipes)
Threshold limit other aquatic organisms 1	1000 mg/l (24 h; Pseudomonas fluorescens)
Threshold limit algae 1	0.048 mg/l (72 h; Scenedesmus subspicatus; Inhibitory)

### 12.2. Persistence and degradability

Petra™ Synthetic H/A Dual Pump Fluid 16 FL. OZ.	
Persistence and degradability	Not established.
Ultra S 3 (64742-55-8)	
Persistence and degradability	Not established.
distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Persistence and degradability	Not established.
Ultra-S Base Oils 2, 3, 4 (Mixture)	
Persistence and degradability	Inherently biodegradable. Not established.
dibutyl phosphonate (1809-19-4)	
Persistence and degradability	Biodegradability in water: no data available. Photodegradation in the air.
diphenylamine (122-39-4)	
Persistence and degradability	Not readily biodegradable in water.
ThOD	2.39 g O <sub>2</sub> /g substance
Alkly borate (Confidential)	
Persistence and degradability	Not established.
alcohols, C11-15-secondary, ethoxylated (68131-40-8)	
Persistence and degradability	Biodegradability in water: no data available.
sulphur dioxide (7446-09-5)	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Petra™ Synthetic H/A Dual Pump Fluid 16 FL. OZ.	
Bioaccumulative potential	Not established.
Ultra S 3 (64742-55-8)	
Bioaccumulative potential	Not established.
distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Bioaccumulative potential	Not established.
Ultra-S Base Oils 2, 3, 4 (Mixture)	
Bioaccumulative potential	Bioaccumable. Not established.
dibutyl phosphonate (1809-19-4)	
Log Pow	1.81 (Estimated value)
Bioaccumulative potential	Bioaccumable.
diphenylamine (122-39-4)	
BCF fish 1	51 - 253 (Cyprinus carpio; Test duration: 8 weeks)
Log Pow	3.22 - 3.50
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Alkly borate (Confidential)	
Bioaccumulative potential	Not established.
alcohols, C11-15-secondary, ethoxylated (68131-40-8)	
Bioaccumulative potential	No bioaccumulation data available.
sulphur dioxide (7446-09-5)	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

diphenylamine (122-39-4)	
Surface tension	0.03 N/m (60 °C)
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

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### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

US DOT (ground): Not Regulated,

ICAO/IATA (air): Not Regulated,

IMO/IMDG (water): Not Regulated,

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not Regulated

### 14.3. Additional information

Other information : No supplementary information available.

### Overland transport

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Petra™ Synthetic H/A Dual Pump Fluid 16 FL. OZ.

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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#### Ultra S 3 (64742-55-8)

SARA Section 313 - Emission Reporting	None
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#### Ultra-S Base Oils 2, 3, 4 (Mixture)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 302 Threshold Planning Quantity (TPQ)	Does not contain any chemicals subject to reporting requirements of SARA 302 and 40 CFR 372.
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SARA Section 313 - Emission Reporting	Does not contain any chemicals subject to reporting requirements of SARA 313 and 40 CFR 372.
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### 15.2. International regulations

#### CANADA

#### Ultra-S Base Oils 2, 3, 4 (Mixture)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

#### Ultra-S Base Oils 2, 3, 4 (Mixture)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.2; R45

Full text of R-phrases: see section 16

### 15.2.2. National regulations

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### Ultra-S Base Oils 2, 3, 4 (Mixture)

Listed on AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on KECI (Korean Existing Chemicals Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

### 15.3. US State regulations

#### Ultra-S Base Oils 2, 3, 4 (Mixture)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)

## SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H331	Toxic if inhaled

NFPA health hazard

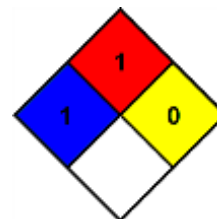
: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard

: 1 - Must be preheated before ignition can occur.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012) - Technical Chemical

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

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