



PETRA™ SYNTHETIC H/A DUAL PUMP FLUID 32 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 32 FL. OZ.
Product code : 85032 32 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

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

6.1.1. For non-emergency personnel

- | | |
|----------------------|-----------------------------------|
| 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

- | | |
|-------------------------------|---|
| 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 ³) | 5 mg/m ³ 8 HOUR MIST |
|-----------|--------------------------------|---------------------------------|

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

| | | |
|-----------|--------------------------------------|----------------------|
| USA ACGIH | ACGIH TWA (mg/m ³) | 5 mg/m ³ |
| USA ACGIH | ACGIH STEL (mg/m ³) | 10 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 5 mg/m ³ |
| USA OSHA | OSHA PEL (STEL) (mg/m ³) | 10 mg/m ³ |

diphenylamine (122-39-4)

| | | |
|-----------|--------------------------------|----------------------|
| USA ACGIH | ACGIH TWA (mg/m ³) | 10 mg/m ³ |
|-----------|--------------------------------|----------------------|

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; <i>Oryzias latipes</i>) |
| Threshold limit other aquatic organisms 1 | 1000 mg/l (24 h; <i>Pseudomonas fluorescens</i>) |
| Threshold limit algae 1 | 0.048 mg/l (72 h; <i>Scenedesmus subspicatus</i> ; Inhibitory) |

12.2. Persistence and degradability

| Petra™ Synthetic H/A Dual Pump Fluid 32 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 ₂ /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 32 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 (<i>Cyprinus carpio</i> ; 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 32 FL. OZ.

| | |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
|-------------------------------------|---------------------------------|

Ultra S 3 (64742-55-8)

| | |
|---------------------------------------|------|
| SARA Section 313 - Emission Reporting | None |
|---------------------------------------|------|

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. |
|--|--|

| | |
|---------------------------------------|--|
| SARA Section 313 - Emission Reporting | Does not contain any chemicals subject to reporting requirements of SARA 313 and 40 CFR 372. |
|---------------------------------------|--|

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

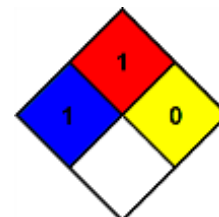
: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

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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