



# PETRA DIESEL FUEL POWER II

## PN 3005

### Safety Data Sheet

Version 1.0

Issue date: 09/05/2022 (Original)

## Section 1. Identification

### 1.1. Identification

Product name	: Petra Diesel Fuel Power II
Product code	: 3005
Recommended use	: Diesel fuel conditioner
Restrictions on use	: None known
Manufacturer	: Petra Automotive Products, Inc. 11085 Regency Green Dr. • Cypress, Texas 77429 • (713) 856-5700 www.petraautoproducts.com
Emergency number	: (Chemical Spills, Leaks, Fire, Exposure or Accident only): CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)
Issue date	: 09/05/2022

## Section 2. Hazard(s) Identification

### 2.1. Classification

Physical hazards	Health hazards
: Flammable liquids Category 4	: Acute toxicity (oral) Category 4
	: Acute toxicity (dermal) Category 4
	: Acute toxicity (inhalation:vapor) Category 4
	: Carcinogenicity Category 2
	: Aspiration hazard Category 1

### 2.2. GHS Label

Danger!



CONTAINS

Hazard statements (GHS US)	
H227 - Combustible liquid	: P201 - Obtain special instructions before use.
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled	: P202 - Do not handle until all safety precautions have been read and understood.
H304 - May be fatal if swallowed and enters airways	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
H351 - Suspected of causing cancer	: P261 - Avoid breathing vapors, mist.
	: P264 - Wash hands, forearms and face thoroughly after handling.
	: P270 - Do not eat, drink or smoke when using this product.
	: P271 - Use only outdoors or in a well-ventilated area.
	: P280 - Wear protective clothing, protective gloves.
	: P301+P310 - If swallowed: Immediately call a POISON CENTER, a doctor.
	: P331 - Do NOT induce vomiting.
	: P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
	: P312 - Call a POISON CENTER, a doctor if you feel unwell.
	: P302+P352 - If on skin: Wash with plenty of soap and water.
	: P362+P364 - Take off contaminated clothing and wash it before reuse.
	: P308+P313 - If exposed or concerned: Get medical advice/attention.

# PETRA DIESEL FUEL POWER II

PN 3005

## Safety Data Sheet

Issue date: 09/05/2022 (Original)

### 2.2. GHS Label (Cont.)

#### Hazard statements (GHS US)

#### Precautionary statements (GHS US)

- : P370+P378 - In case of fire: Use carbon dioxide (CO2), dry extinguishing powder, foam to extinguish.
- : P403+P235 - Store in a well-ventilated place. Keep cool.
- : P405 - Store locked up.
- : P501 - Dispose of contents/container to an approved waste disposal plant.

### Section. Composition/Information on ingredients

Component	CAS-No.	Amount (%)
2_Ethylhexyl_nitrate	27247-96-7	30 - 60
Kerosine (petroleum)	8008-20-6	30 – 60
Solvent naptha (petroleum), heavy arom.	64742-94-5	1 - 10
Naphthalene	91-20-3	0.1 - 3

### Section 4. First-Aid Measures

#### Inhalation

: Move the affected person to fresh air. Get medical attention if symptoms occur.

#### Skin

: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

#### Eyes

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

#### Ingestion

: Immediately call a poison center or doctor/physician. Do NOT induce vomiting.

#### Symptoms/effects

: Harmful if inhaled. Harmful if swallowed. Harmful in contact with skin. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

#### Immediate medical attention and special treatment, if necessary

: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### Section 5. Fire-Fighting Measures

#### Suitable extinguishing media

: Use dry chemical, CO2, water spray or regular foam.

#### Unsuitable extinguishing media

: Do not use a solid water stream as it may scatter and spread fire.

#### Fire hazard

: Combustible liquid. The vapors are denser than air and may travel along the ground. Distance ignition possible.

#### Special protective equipment and precautions for fire-fighter

: Use water spray or fog for cooling exposed containers. Prevent runoff from entering water courses, sewers and basements. Use self-contained breathing apparatus and chemically protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

# PETRA DIESEL FUEL POWER II

PN 3005

## Safety Data Sheet

Issue date: 09/05/2022 (Original)

### Section 6. Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b>	: Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Eliminate all ignition sources.
<b>Methods and material for containment and cleaning up</b>	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

### Section 7. Handling And Storage

<b>Precautions for safe handling</b>	: Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Wear personal protective equipment. Avoid breathing mist, vapors. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition.
<b>Storage conditions</b>	: Store in dry, cool, well-ventilated area. Keep away from heat and direct sunlight.

### Section 8. Exposure controls/personal protection

#### 8.1. Exposure guidelines

<b>Kerosine (petroleum)</b>	: None established.
<b>2_Ethylhexyl_nitrate</b>	: None established.
<b>Solvent naptha (petroleum), heavy arom.</b>	: None established.
<b>Naphthalene</b>	: 50 mg/m <sup>3</sup> TWA OSHA PEL; 10 ppm TWA OSHA PEL; 10 ppm TWA ACGIH TLV;

#### 8.2. Appropriate engineering controls

: Provide local exhaust or general room ventilation to minimize mist and/or vapor concentrations.

#### 8.3. Environmental exposure controls

: Avoid release to the environment.

#### 8.4. Personal protective equipment:

<b>Hand protection</b>	: Wear impervious gloves. Consult supplier for specific recommendations.
<b>Eye protection</b>	: Avoid contact with eyes. Use suitable eye protection
<b>Skin and body protection</b>	: Wear suitable protective clothing
<b>Respiratory protection</b>	: In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

### Section 9. Physical and chemical properties

<b>Appearance</b>	: Clear
<b>Physical state</b>	: Liquid
<b>Color</b>	: Yellow/amber
<b>Odor</b>	: Pungent
<b>Odor threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Melting point</b>	: No data available
<b>Freezing point</b>	: No data available
<b>Boiling point</b>	: 178 – 245 °C (352.4 – 473 °F)

# PETRA DIESEL FUEL POWER II

PN 3005

## Safety Data Sheet

Issue date: 09/05/2022 (Original)

### Section 9. Physical and chemical properties (Cont.)

Flash point	: > 70 °C (158 °F)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Combustible liquid.
Vapor pressure	: 0.8 mm Hg @20C
Relative vapor density at 20 °C	: No data available
Relative density	: 0.873 g/ml
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: < 20.5 mm <sup>2</sup> /s
Viscosity, dynamic	: No data available
Explosion limits	: Lower explosion limit: 0.5 vol %, Upper explosion limit: 7 vol %
Explosive properties	: None.
Oxidizing properties	: None.

No additional information available

### Section 10. Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials	: Strong acids. Strong bases. Strong oxidizers.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11. Toxicological information

Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes. High concentration of vapors may induce: headache, nausea, dizziness.
Skin	: Repeated exposure may cause skin dryness or cracking. Harmful in contact with skin.
Eyes	: May cause minor eye irritation.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard. May be fatal if swallowed and enters airways.
Chronic symptoms	: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Carcinogenicity	: Suspected of causing cancer.
Kerosine (petroleum)	: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
2_Ethylhexyl_nitrate	: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

# PETRA DIESEL FUEL POWER II

PN 3005

## Safety Data Sheet

Issue date: 09/05/2022 (Original)

### Section 11. Toxicological information (Cont.)

Solvent naptha (petroleum), heavy arom.	: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Naphthalene	: IARC 2B - Possibly carcinogenic to humans; NTP Reasonably anticipated to be Human Carcinogen;
Germ cell mutagenicity	: Not classified
Reproductive toxicity	: Not classified
Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Harmful in contact with skin.
Acute toxicity (inhalation)	: Harmful if inhaled.
<b>Numerical measures of toxicity</b>	
Acute Toxicity Estimate:	: ATE US (oral): 909.091 mg/kg body weight ATE US (dermal): 2000 mg/kg body weight ATE US (vapors): 20 mg/l/4h

#### The following are the toxicity values for the components:

Kerosine (petroleum)	: LD50 oral rat > 5000 mg/kg; LD50 dermal rabbit > 2000 µg/kg; LC50 Inhalation - Rat (Vapours) > 5.28 mg/l/4h
2_Ethylhexyl_nitrate	: LD50 oral rat > 9640 mg/kg Source: IUCLID; LD50 dermal rabbit 5 ml/kg
Solvent naptha (petroleum), heavy arom.	: LD50 oral rat > 5000 mg/kg; LD50 dermal rabbit > 2000 mg/kg; LD50 dermal rat > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other:EPA Fed Reg Vol 50, No. 188 1985 and as amended in Fed Reg Vol 52, No. 97, 1987; LC50 Inhalation – Rat > 5.28 mg/l/4h
Naphthalene	: LD50 oral rat > 2000 mg/kg; LD50 dermal rat > 2000 mg/kg; LC50 Inhalation – Rat > 0.4 mg/l air Animal: rat, Guideline: other:EPA TSCA, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

### Section 12. Ecological information

<b>12.1. Ecotoxicity</b>	
Kerosine (petroleum)	: LC50 - Fish mg/l Min: 2 Max: 5 <i>Oncorhynchus mykiss</i> (Rainbow trout); <i>Daphnia magna</i> (Water flea) EC50 - Crustacea 1.4 mg/l
2_Ethylhexyl_nitrate	: LC50 - Fish 2 mg/l Test organisms (species): <i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i> ); EC50 - Crustacea > 12.6 mg/l Test organisms (species): <i>Daphnia magna</i> ; EC50 - Other aquatic organisms mg/l Min: 1.57 Max: 3.22 72 hr; EC50 72h - Algae [1]

# PETRA DIESEL FUEL POWER II

PN 3005

## Safety Data Sheet

Issue date: 09/05/2022 (Original)

### 12.1. Ecotoxicity (Cont.)

**Solvent naptha (petroleum), heavy arom.**

: 2 mg/l LC50 - Fish [1]; 0.58 mg/l Test organisms (species): *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*) LC50 - Fish [2]; 1.4 mg/l EC50 - Crustacea [1]; 0.76 mg/l Test organisms (species): *Daphnia magna* EC50 - Crustacea [2]; 3.7 mg/l EC50 72h - Algae 3.22 mg/l Test organisms (species): *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*)

**Naphthalene**

: LC50 - Fish 7.8 mg/l; EC50 - Crustacea 2.16 mg/l Test organisms (species): *Daphnia magna*; EC50 72h - Algae 3.8 mg/l; NOEC (chronic) 0.59 mg/l Test organisms (species): *Daphnia pulex* Duration: '125 d'; NOEC chronic fish  $\approx$  0.37 mg/l Test organisms (species): *Oncorhynchus kisutch* Duration: '40 d'

**Persistence and degradability**

: No data available

**Bioaccumulative potential**

: No data available

**2\_Ethylhexyl\_nitrate**

: LOG POW4.12;

**Mobility in soil**

: No data available

**Other adverse effects:**

: No data available

### Section 13. Disposal considerations

**Regional legislation (waste)**

: Dispose of in accordance with applicable federal, state, & local regulations.

### Section 14. Transport information

#### 14.1. Department of Transportation (DOT)

**Proper Shipping Name (DOT)**

: Combustible liquid, n.o.s. (2\_Ethylhexyl\_nitrate ; Solvent naptha (petroleum), heavy arom. ; Kerosine (petroleum))

**UN-No.(DOT)**

: NA1993

**Class (DOT)**

: Comb Liq

**Packing group (DOT)**

: III

**Hazard labels (DOT)**

:

**Dangerous for the environment**

: Yes Note: Not regulated in non-bulk packages (49 CFR 173.150(f))

#### 14.2. Transport by sea

**Proper Shipping Name (IMDG)**

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2\_Ethylhexyl\_nitrate ; Solvent naptha (petroleum), heavy arom.)

**UN-No. (IMDG)**

: 3082

**Class (IMDG)**

: 9

**Packing group (IMDG)**

: III

**Marine pollutant**

: Yes

#### 14.3. Air transport

**Proper Shipping Name (IATA)**

: Environmentally hazardous substance, liquid, n.o.s. (2\_Ethylhexyl\_nitrate ; Solvent naptha (petroleum), heavy arom.)

**UN-No. (IATA)**

: 3082

**Class (IATA)**

: 9

**Packing group (IATA)**

: III

# PETRA DIESEL FUEL POWER II

PN 3005

## Safety Data Sheet

Issue date: 09/05/2022 (Original)

### Section 15. Regulatory information

#### SARA Section 313 - Emission Reporting

: Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Naphthalene

91-20-3

0.1 - 3%

#### CERCLA Section 103:

Naphthalene

91-20-3

100 lb

#### SARA 302

: Not applicable

#### SARA Section 311/312 Hazard Classes

: Refer to Section 2 for OSHA Hazard Classification.

### California Proposition 65



#### WARNING

#### TSCA

: This product can expose you to Naphthalene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. False

### Section 16. Other information

#### Issue date

: 09/05/2022

#### NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. The company listed in Section 1 shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.