



Petra Advanced Formula Injector Cleaner

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)
Issue date: 7/14/2026 Revision date: 7/14/2026 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Trade name : Petra Advanced Formula Injector Cleaner
Product code : Petra 2004B

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Fuel additives, Injection, Cleaner
Restrictions on use : Restricted to professional users

1.4. Supplier's details

Petra Automotive Products, Inc.
11085 Regency Green Dr.
Cypress, TX 77429
USA
T (713) 856-5700
www.petraautoproducs.com

1.5. Emergency phone number

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)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 2	H225	Highly flammable liquid and vapor.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.
Full text of H statements : see section 16		

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H225 - Highly flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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- P233 - Keep container tightly closed.
- P240 - Ground/Bond container and receiving equipment.
- P241 - Use explosion-proof electrical, lighting, ventilating equipment.
- P242 - Use non-sparking tools.
- P243 - Take action to prevent static discharges.
- P261 - Avoid breathing vapors, spray, mist.
- P264 - Wash hands thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves, protective clothing.
- P301+P310 - If swallowed: Immediately call a poison center or doctor.
- P331 - Do NOT induce vomiting.
- P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P332+P313 - If skin irritation occurs: Get medical attention.
- P364 - Wash contaminated clothing before reuse.
- P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
- P312 - Call a poison center or doctor if you feel unwell.
- P370+P378 - In case of fire: Use carbon dioxide (CO2), dry extinguishing powder, Water fog, foam to extinguish.
- P403+P235 - Store in a well-ventilated place. Keep cool.
- P405 - Store locked up.
- P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

Prolonged or repeated contact may dry skin and cause irritation

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : Toxic to aquatic life with long lasting effects.

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

Mixtures

Name	Product identifier	Conc. (% w/w)
Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	80-100
tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane	CAS-No.: 1634-04-4	1 – 5

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Move the affected person to fresh air. Get medical attention if symptoms occur.
- First-aid measures after skin contact : Remove contaminated clothing. Gently wash with plenty of soap and water. Get medical advice if skin irritation persists. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.
- First-aid measures after ingestion : Do NOT induce vomiting. Call a physician immediately.

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4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects	: May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.
Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes. High concentration of vapors may induce: headache, nausea, dizziness.
Skin	: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Eyes	: May cause minor eye irritation.
Ingestion	: Aspiration hazard. May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: No chronic health hazards are likely for this material.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: If accidentally swallowed obtain immediate medical attention.
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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray or regular foam.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

5.2. Specific hazards arising from the chemical

Fire hazard	: Highly flammable liquid and vapor. vapors may be heavier than air. vapors may cause fire/explosion if source of ignition is present. Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO ₂). Hydrocarbon.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Cool down the containers exposed to heat with a water spray. Use shielding to protect from bursting cans.
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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Eliminate ignition sources. No open flames, no sparks, and no smoking. Ventilate area. Do not breathe vapors. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Keep unnecessary and unprotected personnel away from the spillage.
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For non-emergency personnel

Emergency procedures	: Remove all sources of ignition. Ventilate area. Use only explosion-proof equipment. Do not breathe vapors, mist, spray. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Stop leak if safe to do so. Only qualified personnel equipped with suitable protective equipment may intervene. Keep unnecessary and unprotected personnel away from the spillage.
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For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Environmental precautions	: Do not allow product to spread into the environment. Prevent liquid from entering sewers, watercourses, underground or low areas. Notify authorities if product enters sewers or public waters.

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6.2. Methods and materials for containment and cleaning up

- For containment
- : Remove all sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up
- : Absorb and/or contain spill with inert material, then place in suitable container. Use non-sparking tools.

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling
- : Ensure adequate ventilation. Use only outdoors or in a well-ventilated area. Avoid breathing vapors, spray, mist. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Use according to manufacturer's directions. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Use explosion-proof equipment. Take precautionary measures against static discharge.
- Hygiene measures
- : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including incompatibilities

- Storage conditions
- : Store locked up. Store in dry, cool, well-ventilated area. Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed.
- Incompatible materials
- : Store away from strong oxidizers, strong bases, strong acids.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Distillates (petroleum), hydrotreated light (64742-47-8)	
USA - ACGIH® - Threshold Limit Values	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
ACGIH® TLV® TWA	5 mg/m³ (I - Inhalable particulate matter)
Remark (ACGIH®)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Oil mist, mineral
OSHA PEL (TWA)	5 mg/m³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)	
USA - ACGIH® - Threshold Limit Values	
Local name	Methyl tert-butyl ether
ACGIH® TLV® TWA	50 ppm
Remark (ACGIH®)	TLV® Basis: URT irr; kidney dam. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)

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tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)

Regulatory reference	ACGIH 2024
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8.2. Appropriate engineering controls

Appropriate engineering controls	: Local exhaust and general room ventilation are both essential to prevent accumulation of flammable vapor or dust mixtures. Use explosion-proof equipment. Take precautionary measures against static discharge.
Environmental exposure controls	: Do not allow product to spread into the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:

Wear impervious gloves. Consult supplier for specific recommendations.

Eye protection:

Use suitable eye protection

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. 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.

Thermal hazard protection:

Not applicable.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Colorless to pale yellow liquid.
Color	: Colorless to pale yellow
Odor	: Strong Ethereal
Odor threshold	: Not determined
pH	: Not applicable
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 240 °C
Flash point	: > 17.2 °C
Relative evaporation rate (butyl acetate=1)	: < 1
Flammability (solid, gas)	: Highly flammable liquid and vapor.
Vapor pressure	: Not determined
Relative vapor density at 20°C	: No data available
Relative density	: 0.798
Solubility	: Water: < 2 % Slight
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Viscosity, kinematic	: < 1.7 mm²/s
Explosion limits	: Lower explosion limit: 0.7 Vol-% (estimated value) Upper explosion limit: 6 Vol-% (estimated value)
Explosive properties	: Not determined.

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Particle characteristics : Particle characteristics : Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Highly flammable liquid and vapor.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Strong bases. Strong oxidizers. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Distillates (petroleum), hydrotreated light (64742-47-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Vapors)	> 5.28 mg/l/4h

tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)

LD50 oral rat	> 2000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	85 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 79 - 91
LC50 Inhalation - Rat (Vapors)	85 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
pH: Not applicable
Serious eye damage/irritation : Not classified
pH: Not applicable
Respiratory or skin sensitization : Not classified

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Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)

IARC group 3 - Not classifiable

Reproductive toxicity : Not classified

Distillates (petroleum), hydrotreated light (64742-47-8)

NOAEL (animal/male, F0/P) ≥ 3000 mg/kg body weight (rat)

STOT-single exposure : May cause drowsiness or dizziness.

Distillates (petroleum), hydrotreated light (64742-47-8)

STOT-single exposure May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Distillates (petroleum), hydrotreated light (64742-47-8)

NOAEL (oral,rat,90 days) 750 mg/kg body weight

Aspiration hazard : May be fatal if swallowed and enters airways.

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Viscosity, kinematic < 1.7 mm²/s

Distillates (petroleum), hydrotreated light (64742-47-8)

Hydrocarbon Yes

Symptoms/effects : May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

Inhalation : May cause minor irritation to the respiratory tract and to other mucous membranes. High concentration of vapors may induce: headache, nausea, dizziness.

Skin : Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Eyes : May cause minor eye irritation.

Ingestion : Aspiration hazard. May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : No chronic health hazards are likely for this material.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : Toxic to aquatic life with long lasting effects. Do not allow product to spread into the environment.

Hazardous to the aquatic environment, short-term (acute) : Not applicable.

Hazardous to the aquatic environment, long-term (chronic) : Not applicable.

Distillates (petroleum), hydrotreated light (64742-47-8)

LC50 - Fish [1] 2 mg/l

EC50 - Crustacea [1] 1.4 mg/l

EC50 72h - Algae [1] 3.7 mg/l

tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)

LC50 - Fish [1] 672 mg/l Pimephales promelas (Fathead minnow)

EC50 - Crustacea [1] 472 mg/l Daphnia magna (Water flea)

NOEC (chronic) 51 mg/l Daphnia magna (Water flea)

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tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)	
NOEC chronic fish	62 mg/l Pimephales promelas (Fathead minnow)

12.2. Persistence and degradability

Petra Octatane Boost w-Injector Cleaner 12 Fl. Oz.	
Persistence and degradability	No additional information available.

Distillates (petroleum), hydrotreated light (64742-47-8)	
Persistence and degradability	Inherently biodegradable.

tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional waste regulation	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
UN1993	UN1993	1993	1993
14.2. Proper Shipping Name			
Flammable liquids, n.o.s. (Distillates (petroleum), hydrotreated light)	FLAMMABLE LIQUID, N.O.S. (Distillates (petroleum), light distillate hydrotreating process)	FLAMMABLE LIQUID, N.O.S. (Distillates (petroleum), hydrotreated light)	Flammable liquid, n.o.s. (Distillates (petroleum), hydrotreated light)
Transport document description			
UN1993 Flammable liquids, n.o.s. (Distillates (petroleum), hydrotreated light), 3, II	UN1993 FLAMMABLE LIQUID, N.O.S. (Distillates (petroleum), light distillate hydrotreating process), 3, II	UN 1993 FLAMMABLE LIQUID, N.O.S. (Distillates (petroleum), hydrotreated light), 3, II (17.2°C c.c.)	UN 1993 Flammable liquid, n.o.s. (Distillates (petroleum), hydrotreated light), 3, II
14.3. Transport hazard class(es)			
3	3	3	3

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DOT	TDG	IMDG	IATA
			
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT) : UN1993

TDG

UN-No. (TDG) : UN1993

Emergency Response Guide (ERG) Number : 128

IMDG

No data available

IATA

No data available

SECTION 15 Regulatory information

15.1. Federal regulations

Petra Octatane Boost w-Injector Cleaner 12 Fl. Oz.

SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.
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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

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.

tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane	CAS-No. 1634-04-4	1 – 5%
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tert-butyl methyl ether, MTBE, 2-methoxy-2-methylpropane (1634-04-4)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	1000 lb
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15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Revision date : 7/14/2026

Issue date : 7/14/2026

Full text of hazard classes and H-statements	
H225	Highly flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness

Indication of changes:
New SDS.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.