

FPS Premium Hi-Mileage + Cetane

SDS Number: 60428

Revision Date: 2/11/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: FPS Premium Hi-Mileage + Cetane
Revision Date: 2/11/2015
SDS Number: 60428
CAS Number: Blend
Product Code: 60428
Synonyms: Diesel Fuel Additive

Company Identification

Manufactured for:
Fuel Performance Solutions
P.O. Box 903
Chesterton, IN 46304 USA

1-888-577-3935 (For product information)
1-800-424-9300 (For emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

2 HAZARDS IDENTIFICATION

GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:
Physical, Flammable Liquids, 3
Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 4 Dermal
Health, Acute toxicity, 4 Inhalation
Health, Specific target organ toxicity - Single exposure, 3
Health, Carcinogenicity, 2
Health, Aspiration hazard, 1

GHS Phrases:
H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H304 - May be fatal if swallowed and enters airways

GHS Precautionary Statements:
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P273 - Avoid release to the environment.

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P302+352 - IF ON SKIN: Wash with soap and water.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Chemical Name	Percentage	CAS#
2-Ethylhexyl nitrate	15 - 30	27247-96-7
Heavy aromatic solvent naphtha	1.0 - 5.0	64742-94-5
Light aromatic solvent naphtha	20 - 40	64742-95-6
1,2,4-Trimethylbenzene	< 15	95-63-6
Naphthalene	< 0.3	91-20-3
Xylene	< 2	1330-20-7
Cumene	< 0.6	98-82-8

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FIRST AID MEASURES

- Inhalation:** If symptoms develop, move victim to fresh air.
If symptoms persist, obtain medical attention.
- Skin Contact:** Wash with soap and water.
Remove contaminated clothing and wash before reuse.
Get medical attention if needed.
- Eye Contact:** Flush with water for several minutes.
If effects occur, consult a physician.
- Ingestion:** Rinse mouth with water and drink 2-4 cups of water.
Get immediate medical attention.
- Note to Physician:
Activated charcoal may be administered.

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FIRE FIGHTING MEASURES

- Flash Point:** 62.8 C (145.0 F)
Flash Point Method: TCC

Use dry powder, foam, or carbon dioxide fire extinguishers.
Water may be ineffective unless used by experienced fire fighters.

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6 ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition - Heat, sparks, flame, and electricity
Contain spilled material.
Collect in suitable and properly labeled containers.
Pick up excess with inert absorbant material
Keep away from drains and ground water.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing.
Keep away from sources of ignition.
Do not pressurize, cut, weld, braze, solder, or drill container.
Handle with care and avoid spillage on the floor (slippage).
Ground and bond containers when transferring material

Storage Requirements: Keep away from sources of ignition.
Store in a tightly closed container

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equip: Use of safety glasses and gloves are recommended.

EXPOSURE GUIDELINES:

SOLVENT NAPHTHA, PETROLEUM, LIGHT AROM.

OSHA TWA: 500 ppm

1,2,4-TRIMETHYLBENZENE

ACGIH TWA: 25 ppm

XYLENE

OSHA TWA: 100 ppm, 435 mg/m³

ACGIH TWA: 100 ppm, 434 mg/m³

OSHA STEL: 150 ppm, 655 mg/m³

ACGIH STEL: 150 ppm, 651 mg/m³

CUMENE

OSHA PEL: 50 ppm

OSHA TWA: 50 ppm, 245 mg/m³

ACGIH TWA: 50 ppm, 246 mg/m³

NAPHTHALENE

OSHA PEL: 10 ppm, 50 mg/m³

OSHA TWA: 10 ppm, 50 mg/m³

ACGIH TWA: 10 ppm, 52 mg/m³

OSHA STEL: 15 ppm, 75 mg/m³

ACGIH STEL: 15 ppm, 79 mg/m³

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber	Solubility:	Nil in water
Physical State:	Liquid		
Spec Grav./Density:	7.75 pounds per gallon at 60 Deg F		

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

When heated above 100 Deg C, may undergo an exothermic reaction which causes a rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperature.

Conditions to Avoid: High temperatures above 50 C (122 F) and open flame.

When heated above 100 Deg C, may undergo an exothermic reaction which causes a rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperature.

Materials to Avoid: Avoid strong oxidizing agents.
May burn or react violently to flourine/oxygen mixtures.

11 TOXICOLOGICAL INFORMATION

Repeated skin contact with this product may cause dermatitis or an oil acne.
No component is listed as a carcinogen, mutagen, or teratogen.

EYE EFFECTS:

Solvent Petroleum Naphtha, slightly irritating (rabbit).

SKIN EFFECTS:

Solvent Petroleum Naphtha, no deaths reported at 4 ml/kg (Rat). Slightly irritating (rabbit, 4 hour(s)).
2-Ethylhexyl Nitrate is harmful in contact with skin.

ACUTE ORAL EFFECTS:

Solvent Petroleum Naphtha, LD50, 10 ml/kg in rats.
Naphthalene, Oral LD50, 2600 mg/kg (rat).

ACUTE INHALATION EFFECTS:

Solvent Petroleum Naphtha, no deaths at 710 ppm (v) (Rat) 4 Hour (s).

12 ECOLOGICAL INFORMATION

Avoid exposing to the environment.
Toxic to aquatic organisms.
May cause long term adverse effects in the aquatic environment. Based on calculations.
This product contains components which may be persistent in the environment.

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13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.
Do not flush to surface water or drains

14 TRANSPORT INFORMATION

UN #: UN 1993, Class: 3, Proper Shipping Name: Combustible liquids, n.o.s.

MISCELLANEOUS:

This material is not regulated for US DOT transportation in quantities less than 119 Gallons.

If shipping overseas, or via air, the proper shipping name is: Flammable liquid, n.o.s., (Contains Petroleum Naphtha, 1,2,4-Trimethylbenzene), 3, UN1993, PGIII.

This material is a marine pollutant when shipped in containers of greater than 119 gallons.

It is not recommended to ship this product via air in quantities greater than one liter.



15 REGULATORY INFORMATION

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act (TSCA).

REGULATORY DISCLOSURES:

New Jersey Right to Know list:

1,2,4-Trimethylbenzene, CAS #95-63-6, < 2.0 %.
Cumene, CAS# 98-82-8, < 0.1 %.
Naphthalene, CAS # 91-20-3, < 1.0 %.
Xylene, CAS # 1330-20-7, < 0.2 %.

Pennsylvania Right to Know List:

Naphthalene, CAS # 91-20-3, < 1.0 %.
Xylene, CAS # 1330-20-7, < 0.2 %.
Cumene, CAS# 98-82-8, < 0.1 %.
1,2,4-Trimethylbenzene, CAS #95-63-6, < 2.0 %.

Canadian Disclosure List

1,2,4-TRIMETHYLBENZENE (95-63-6)

SARA Title III - Section 313

1,2,4-TRIMETHYLBENZENE (95-63-6)

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CERCLA Hazardous Substances

NAPHTHALENE (91-20-3) -- RQ 100 lb

XYLENE (1330-20-7) -- RQ 1000 lb

CUMENE (98-82-8) -- RQ 5000 lb

RCRA Hazardous Substances

NAPHTHALENE (91-20-3) -- RCRA Code: U165

XYLENE (1330-20-7) -- RCRA Code: U239

CUMENE (98-82-8) -- RCRA Code: U055

Title V

1,2,4-TRIMETHYLBENZENE (95-63-6)

NAPHTHALENE (91-20-3)

XYLENE (1330-20-7)

CUMENE (98-82-8)

SC Toxic Air Pollutants List

NAPHTHALENE (91-20-3)

XYLENE (1330-20-7)

CUMENE (98-82-8)

16	OTHER INFORMATION
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