

FPS Premium Winter + Cetane

SDS Number: 60427

Revision Date: 1/30/2019

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PRODUCT AND COMPANY IDENTIFICATION

Vendor

Fuel Performance Solutions
P.O. Box 903
Chesterton, IN 46304

Phone: 1-888-577-3935

Emergency: 1-800-424-9300 (Chemtrec)

Product Identifier: FPS Premium Winter + Cetane

Synonyms: Diesel Fuel Additive

SDS Number: 60427

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CAS Number: Blend

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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Liquids, 3
Health, Specific target organ toxicity - Single exposure, 3
Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 4 Dermal
Health, Acute toxicity, 4 Inhalation
Health, Carcinogenicity, 2
Health, Aspiration hazard, 1
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H226 - Flammable liquid and vapor
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H351 - Suspected of causing cancer
H304 - May be fatal if swallowed and enters airways
H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 - Keep container tightly closed.
P241 - Use explosion-proof [electrical/ventilating/lighting] equipment.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P273 - Avoid release to the environment.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor
P302+352 - IF ON SKIN: Wash with soap and water.

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P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P308 + P313 - IF exposed or concerned: Get medical advice/ attention.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
64742-95-6	25-35%	Solvent naphtha, petroleum, light arom.
27247-96-7	15-25%	Nitric acid, 2-ethylhexyl ester
95-63-6	<15%	1,2,4-Trimethylbenzene
64742-94-5	<10%	Solvent naphtha, petroleum, heavy arom.
1330-20-7	<2%	Xylene
91-20-3	<2%	Naphthalene
25551-13-7	<2%	Trimethyl benzene

4 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.

5 FIRE FIGHTING MEASURES

Flash Point: >53 C (>128 F)

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

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

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).
Personal Protective Equipment:	Use of safety glasses and gloves is recommended.
Exposure Guidelines:	<p>Solvent Naphtha, Petroleum, Light Aromatic OSHA TWA: 500 ppm</p> <p>DPM OSHA PEL: 100 ppm, 600 mg/m³</p> <p>1,2,4-Trimethylbenzene ACGIH TWA: 25 ppm</p> <p>Xylene OSHA TWA: 100 ppm, 435 mg/m³ OSHA STEL: 150 ppm, 655 mg/m³</p> <p>Trimethylbenzene OSHA TWA: 25 ppm, 125 mg/m³</p> <p>1,3,5-Trimethylbenzene ACGIH TWA: 25 ppm</p> <p>Naphthalene OSHA PEL: 10 ppm, 50 mg/m³ OSHA TWA: 10 ppm, 50 mg/m³</p>

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber	Odor:	Hydrocarbon-like
Physical State:	Liquid	Solubility:	Nil in water
Spec Grav./Density:	0.92 at 60 F (Water = 1)	Freezing/Melting Pt.:	Not available
Viscosity:	Not available	Flash Point:	>53 C (>128 F)
Boiling Point:	Not available	Vapor Density:	Not available
Partition Coefficient:	Not available	Bulk Density:	7.64 lbs/gal
Vapor Pressure:	Not available		
pH:	Not available		
Evap. Rate:	Not available		
Decomp Temp:	Not available		

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STABILITY AND REACTIVITY

Chemical 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), sparks, and open flame.
Materials to Avoid:	Avoid strong oxidizing agents. May burn or react violently to flourine/oxygen mixtures.
Hazardous Decomposition:	Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.

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11	TOXICOLOGICAL INFORMATION
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Acute Toxicity

1,2,4-Trimethylbenzene

LD50 Dermal Rabbit 3160 mg/kg
 LD50 Oral Rat 5000 mg/kg
 LD50 Oral Rat 3400 to 6000 mg/kg
 LC50 Inhalation, Vapor, Rat 18000 mg/m³ 4 hours

Naphthalene

LD50 Dermal Rat >2500 mg/kg
 LD50 Oral Rat 2600 mg/kg
 LC50 Inhalation, Gas, Rat >100 ppm 8 hours

Light aromatic solvent naphtha (petroleum)

LD50 Dermal Rabbit >3160 mg/kg
 LD50 Oral Rat 3492 mg/kg
 LC50 Inhalation, Vapor, Rat 6193 mg/m³ 4 hours

Sensitization None known.

Germ Cell Mutagenicity None known.

Carcinogenicity Naphthalene, IARC 2B

Reproductive toxicity None known.

Specific target organ systemic toxicity (repeated exposure) None known.

12	ECOLOGICAL INFORMATION
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Avoid exposing to the environment, no specific aquatic data available.

13	DISPOSAL CONSIDERATIONS
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Dispose of waste material in accordance with all local, state/provincial, and national requirements
 Do not flush to surface water or drains

14	TRANSPORT INFORMATION
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UN1993, 3, Flammable liquids, n.o.s., PGIII, (Contains Petroleum Naphtha, 2-EthylhexylNitrate), (Marine pollutant)

This material is not regulated for US DOT transportation in containers less than 119 gallons.

IMDG & IATA: UN1993, Flammable liquid, n.o.s., (Petroleum Naphtha, 2-EthylhexylNitrate), 3, III. Marine pollutant.

15	REGULATORY INFORMATION
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[%] RQ (CAS#) Substance - Reg Codes

 [25-35%] Solvent naphtha, petroleum, light arom. (64742-95-6) TSCA

[15-25%] Nitric acid, 2-ethylhexyl ester (27247-96-7) TSCA

[<15%] 1,2,4-Trimethylbenzene (95-63-6) MASS, NJHS, PA, SARA313, TSCA, TXAIR

[<10%] Solvent naphtha, petroleum, heavy arom. (64742-94-5) TSCA

[<2%] RQ(100LBS), Xylene (1330-20-7) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

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[<2%] RQ(100LBS), Naphthalene (91-20-3) CERCLA, CSWHS, EPCRAWPC, GADSL, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

[<2%] Trimethyl benzene (25551-13-7) MASS, OSHAWAC, PA, TSCA, TXAIR



WARNING

This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Regulatory Code Legend

RQ = Reportable Quantity
TSCA = Toxic Substances Control Act
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
OSHA = OSHA Workplace Air Contaminants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous Waste List
GADSL = Global Automotive Declarable Substance List (GADSL)
PRIPOL = Clean Water Act Priority Pollutants
PROP65 = CA Prop 65
TOXICPOL = Clean Water Act Toxic Pollutants

16	OTHER INFORMATION
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