

## FPS Premium Winter Bio Diesel

SDS Number: 60345

Revision Date: 1/21/2015

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### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** FPS Premium Winter Bio Diesel  
**Revision Date:** 1/21/2015  
**SDS Number:** 60345  
**CAS Number:** Blend  
**Product Code:** 60345  
**Synonyms:** Diesel Fuel Additive

#### Company Identification

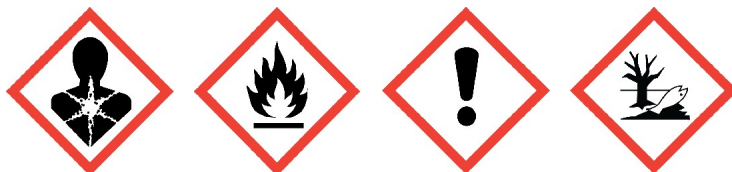
Manufactured for:  
Fuel Performance Solutions  
P.O. Box 903  
Chesterton, IN 46304 USA

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, Specific target organ toxicity - Single exposure, 3  
Health, Carcinogenicity, 2  
Health, Aspiration hazard, 1  
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Phrases:  
H226 - Flammable liquid and vapor  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
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  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P273 - Avoid release to the environment.

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Chemical Name	Percentage	CAS#
Light aromatic solvent naphtha	30.0 - 60.0	64742-95-6
1,2,4-Trimethylbenzene	< 20.0	95-63-6
Dipropylene glycol methyl ether	10.0 - 30.0	34590-94-8
Xylene	< 3.0	1330-20-7
Trimethylbenzene	1.0 - 5.0	25551-13-7
2-Ethylhexyl nitrate	1.0 - 5.0	27247-96-7
Cumene	< 1.0	98-82-8
Ethylbenzene	< 0.5	100-41-4
Naphthalene	< 0.3	91-20-3
Vinyl acetate monomer	< 0.1	108-05-4

### 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.
- Note to Physician:  
Activated charcoal may be administered.

### 5 FIRE FIGHTING MEASURES

- Flash Point:** 46.1 C (115.0 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

#### DIPROPYLENE GLYCOL METHYL ETHER

OSHA PEL: 100 ppm, 600 mg/m<sup>3</sup>

ACGIH TWA: 100 ppm

ACGIH STEL: 150 ppm

#### 1,2,4-TRIMETHYLBENZENE

ACGIH TWA: 25 ppm

#### XYLENE

OSHA TWA: 100 ppm, 435 mg/m<sup>3</sup>

ACGIH TWA: 100 ppm, 434 mg/m<sup>3</sup>

OSHA STEL: 150 ppm, 655 mg/m<sup>3</sup>

ACGIH STEL: 150 ppm, 651 mg/m<sup>3</sup>

#### TRIMETHYLBENZENE

OSHA TWA: 25 ppm, 125 mg/m<sup>3</sup>

ACGIH TWA: 25 ppm, 123 mg/m<sup>3</sup>

#### CUMENE

OSHA PEL: 50 ppm

OSHA TWA: 50 ppm, 245 mg/m<sup>3</sup>

ACGIH TWA: 50 ppm, 246 mg/m<sup>3</sup>

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### ETHYLBENZENE

OSHA TWA: 100 ppm

OSHA STEL: 125 ppm

ACGIH STEL: 125 ppm

### NAPHTHALENE

OSHA PEL: 10 ppm, 50 mg/m<sup>3</sup>

OSHA TWA: 10 ppm, 50 mg/m<sup>3</sup>

ACGIH TWA: 10 ppm, 52 mg/m<sup>3</sup>

OSHA STEL: 15 ppm, 75 mg/m<sup>3</sup>

ACGIH STEL: 15 ppm, 79 mg/m<sup>3</sup>

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## PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Amber	<b>Solubility:</b>	Nil in water
<b>Physical State:</b>	Liquid		
<b>Spec Grav./Density:</b>	7.46 pounds per gallon at 60 Deg F		

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## 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.

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### 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).  
Vinyl Acetate Monomer is a severe eye irritant (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.  
Vinyl Acetate Monomer, Skin absorption LD50 is 2,335 mg/kg in rabbits.

#### 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).  
Vinyl Acetate Monomer, four hour inhalation LC50 is 4,000 ppm in rats.

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### 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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### DISPOSAL CONSIDERATIONS

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

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### 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.



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### 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, < 15.0 %.

Cumene, CAS# 98-82-8, < 0.6 %.

Naphthalene, CAS # 91-20-3, < 0.3 %.

Xylene, CAS # 1330-20-7, < 2.0 %.

##### Pennsylvania Right to Know List:

Naphthalene, CAS # 91-20-3, < 0.3 %.

Xylene, CAS # 1330-20-7, < 2.0 %.

Ethylbenzene, CAS # 100-41-4, < 0.3 %.

Cumene, CAS# 98-82-8, < 0.6 %.

Dipropylene Glycol Monomethyl Ether, CAS# 34590-94-8, 5.0 - 15.0 % %.

1,2,4-Trimethylbenzene, CAS #95-63-6, < 15.0 %.

##### Canadian Disclosure List

DIPROPYLENE GLYCOL METHYL ETHER (34590-94-8)

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

TRIMETHYLBENZENE (25551-13-7)

ETHYLBENZENE (100-41-4)

##### SARA Title III - Section 313

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

XYLENE (1330-20-7)

##### CERCLA Hazardous Substances

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

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

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ETHYLBENZENE (100-41-4) -- RQ 1000 lb  
NAPHTHALENE (91-20-3) -- RQ 100 lb  
VINYL ACETATE MONOMER (108-05-4) -- RQ 5000 lb

### RCRA Hazardous Substances

XYLENE (1330-20-7) -- RCRA Code: U239  
CUMENE (98-82-8) -- RCRA Code: U055  
NAPHTHALENE (91-20-3) -- RCRA Code: U165

### Clean Air Act - Section 112

VINYL ACETATE MONOMER (108-05-4)

### Title V

1,2,4-TRIMETHYLBENZENE (95-63-6)  
XYLENE (1330-20-7)  
CUMENE (98-82-8)  
ETHYLBENZENE (100-41-4)  
NAPHTHALENE (91-20-3)  
VINYL ACETATE MONOMER (108-05-4)

### SC Toxic Air Pollutants List

XYLENE (1330-20-7)  
CUMENE (98-82-8)  
ETHYLBENZENE (100-41-4)  
NAPHTHALENE (91-20-3)  
VINYL ACETATE MONOMER (108-05-4)

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## OTHER INFORMATION

The information contained in this Safety Data Sheet relates only to the specific material designated. Fuel Performance Solutions assumes no legal responsibility for use or reliance upon this data. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Fuel Performance Solutions.