

FPS Premium Winter + Cetane

SDS Number: 60427

Revision Date: 2/11/2015

Page 1 of 7

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: FPS Premium Winter + Cetane
Revision Date: 2/11/2015
SDS Number: 60427
CAS Number: Blend
Product Code: 60427
Synonyms: Diesel Fuel Additive

Company Identification

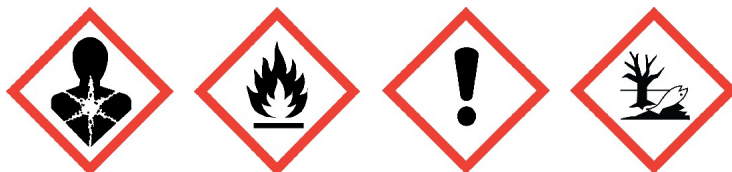
Manufactured for:
Fuel Performance Solutions
P.O. Box 903
Chesterton, IN 46304 USA

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, 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 Phrases:

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:

SDS

Safety Data Sheet

FPS Premium Winter + Cetane

SDS Number: 60427

Revision Date: 2/11/2015

Page 2 of 7

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.

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

3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Chemical Name	Percentage	CAS#
Light aromatic solvent naphtha	20 - 40	64742-95-6
2-Ethylhexyl nitrate	15 - 30	27247-96-7
Dipropylene glycol methyl ether	5.0 - 15	34590-94-8
1,2,4-Trimethylbenzene	< 15	95-63-6
Heavy aromatic solvent naphtha	1.0 - 5.0	64742-94-5
Xylene	< 2	1330-20-7
Trimethylbenzene	< 2	25551-13-7
Cumene	< 0.6	98-82-8
1,3,5-Trimethylbenzene	< 0.3	108-67-8
Ethylbenzene	< 0.3	100-41-4
Naphthalene	< 0.3	91-20-3
2-Ethylhexanol	< 0.2	104-76-7
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.

FPS Premium Winter + Cetane

SDS Number: 60427

Revision Date: 2/11/2015

Page 3 of 7

5 FIRE FIGHTING MEASURES

Flash Point: 53.3 C (127.9 F)
Flash Point Method: TCC

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

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/m³
ACGIH TWA: 100 ppm
ACGIH STEL: 150 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

FPS Premium Winter + Cetane

SDS Number: 60427

Revision Date: 2/11/2015

Page 4 of 7

TRIMETHYLBENZENE

OSHA TWA: 25 ppm, 125 mg/m³

ACGIH TWA: 25 ppm, 123 mg/m³

CUMENE

OSHA PEL: 50 ppm

OSHA TWA: 50 ppm, 245 mg/m³

ACGIH TWA: 50 ppm, 246 mg/m³

1,3,5-TRIMETHYLBENZENE

ACGIH TWA: 25 ppm

ETHYLBENZENE

OSHA TWA: 100 ppm

OSHA STEL: 125 ppm

ACGIH STEL: 125 ppm

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

9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber

Physical State: Liquid

Spec Grav./Density: 7.57 pounds per gallon at 60 Deg F

Solubility: Nil in water

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.

FPS Premium Winter + Cetane

SDS Number: 60427

Revision Date: 2/11/2015

Page 5 of 7

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).
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.

12

ECOLOGICAL INFORMATION

Avoid exposing to the environment.

Ecotoxicity

2-Ethylhexyl Nitrate:

Trout 24 Hours 145 mg/l
Trout 48 Hours 116 mg/l
Bluegill 96 Hours 4.5 mg/l
Bluegill 48 Hours 6.0 mg/l
Bluegill 72 Hours 5.4 mg/l

13

DISPOSAL CONSIDERATIONS

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

FPS Premium Winter + Cetane

SDS Number: 60427

Revision Date: 2/11/2015

Page 6 of 7

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.

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



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, < 15.0 %.

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

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

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

1,3,5-Trimethylbenzene, CAS # 108-67-8, < 0.3 %.

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)

1,3,5-TRIMETHYLBENZENE (108-67-8)

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

ETHYLBENZENE (100-41-4) -- RQ 1000 lb

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

SDS

Safety Data Sheet

FPS Premium Winter + Cetane

SDS Number: 60427

Revision Date: 2/11/2015

Page 7 of 7

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)

16	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.