

POWER'Z EDGE

SDS Number: 60447

Revision Date: 5/9/2016

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Advanced Fuel Solutions
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North Andover, MA 01845

Phone: 1-978-258-8360

Product Name: POWER'Z EDGE
Revision Date: 5/9/2016
SDS Number: 60447
CAS Number: Blend
Product Code: 60447
Synonyms: Diesel Fuel Additive

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

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

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, Skin corrosion/irritation, 1 C
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
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H314 - Causes severe skin burns and eye damage
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
P240 - Ground/bond container and receiving equipment.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

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P273 - Avoid release to the environment.
 P302+352 - IF ON SKIN: Wash with soap and water.
 P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P308+313 - IF exposed or concerned: Get medical advice/attention.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Chemical Name	Percentage	CAS#
2-Ethethylhexyl nitrate	> 70.0	27247-96-7
Ethylene glycol monobutyl ether	5.0 - 15.0	111-76-2
Heavy aromatic solvent naphtha	< 5.0	64742-94-5
Xylene	< 1.0	1330-20-7
1,2,4-Trimethylbenzene	< 1.0	95-63-6
Naphthalene	< 0.5	91-20-3

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: 57.2 C (135.0 F)
Flash Point Method: TCC

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

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.

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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, drill, or grind containers.
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 Equipment:** Use of safety glasses and gloves are recommended.
- Exposure Guidelines:**
- ETHYLENE GLYCOL MONOBUTYL ETHER**
OSHA PEL: 25 ppm, 120 mg/m³
OSHA TWA: 25 ppm
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
- 1,2,4-TRIMETHYLBENZENE**
ACGIH TWA: 25 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
- Solubility:** Nil in water
- Bulk Density:** 7.879 lbs/gal

10 STABILITY AND REACTIVITY

- Chemical Stability:** Product is stable under normal conditions.
- 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.

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11 TOXICOLOGICAL INFORMATION

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

EYE EFFECTS:

Solvent Petroleum Naphtha slightly irritating in rabbits.

SKIN EFFECTS:

Solvent Petroleum Naphtha no deaths reported at 4 ml/kg in rats. Slightly irritating in rabbits at 4 hours.
2-Ethylhexyl Nitrate is harmful in contact with skin.

ACUTE ORAL EFFECTS:

Solvent Petroleum Naphtha LD50 10 ml/kg in rats.
Naphthalene LD50 2600 mg/kg in rats.
Ethylene Glycol Monobutyl Ether LD50 1.4 g/kg in guinea pigs.

ACUTE INHALATION EFFECTS:

Vinyl Acetate Monomer LC50 4,000 ppm in rats.
Solvent Petroleum Naphtha, no deaths at 710 ppm in rats at 4 hours.

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.

13 DISPOSAL CONSIDERATIONS

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

UN1993, Flammable liquids, 3, PGIII, (Contains 2-Ethylhexylnitrate, Petroleum Naphtha.)

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

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

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

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).

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OTHER INFORMATION

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