

## BioSURE On-Highway B5+

SDS Number: 76288

Revision Date: 10/23/2017

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

ADT Fuel Additives  
P.O. Box 252  
Pitman, NJ 08071

**Emergency:** 1-800-424-9300 (Chemtrec)  
**Phone:** 1-856-589-8564

**Product Name:** BioSURE On-Highway B5+  
**Revision Date:** 10/23/2017  
**SDS Number:** 76288  
**CAS Number:** Blend  
**Product Code:** 76288  
**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, Skin corrosion/irritation, 1 C  
Health, Serious Eye Damage/Eye Irritation, 2 A  
Health, Acute toxicity, 3 Dermal  
Health, Acute toxicity, 3 Inhalation  
Health, Acute toxicity, 3 Oral  
Health, Skin sensitization, 1  
Health, Specific target organ toxicity - Single exposure, 3  
Health, Specific target organ toxicity - Repeated exposure, 2  
Health, Carcinogenicity, 2  
Environmental, Hazards to the aquatic environment - Chronic, 1

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** DANGER

**GHS Hazard Pictograms:**



#### GHS Hazard Statements:

H226 - Flammable liquid and vapor  
H314 - Causes severe skin burns and eye damage  
H319 - Causes serious eye irritation  
H311 - Toxic in contact with skin  
H331 - Toxic if inhaled  
H301 - Toxic if swallowed  
H317 - May cause an allergic skin reaction  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H373 - May cause damage to organs through prolonged or repeated exposure  
H351 - Suspected of causing cancer



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H410 - Very toxic to aquatic life with long lasting effects

### GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P273 - Avoid release to the environment.

P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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:

Cas#	%	Chemical Name
64742-94-5	20-30%	Solvent naphtha, petroleum, heavy arom.
128-39-2	<10%	2,6-Di-tert-butylphenol
101-96-2	<10%	1,4-Benzenediamine, N,N'-bis(1-methylpropyl)-
95-63-6	<10%	1,2,4-Trimethylbenzene
91-20-3	<5%	Naphthalene
1330-20-7	<3%	Xylene
104-76-7	<2%	2-Ethylhexanol
108-67-8	<2%	1,3,5-Trimethylbenzene

### 4 FIRST AID MEASURES

<b>Inhalation:</b>	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin Contact:</b>	Wash with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.
<b>Eye Contact:</b>	Flush with water for several minutes. If effects occur, consult a physician.
<b>Ingestion:</b>	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:** 52 C (126 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.



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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 is recommended.
- Exposure Guidelines:**
- LIGHT AROMATIC SOLVENT NAPHTHA (PETROLEUM)**  
OSHA TWA: 500 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>

### 9 PHYSICAL AND CHEMICAL PROPERTIES

- |                               |                          |                              |                  |
|-------------------------------|--------------------------|------------------------------|------------------|
| <b>Appearance:</b>            | Amber                    | <b>Odor:</b>                 | Hydrocarbon-like |
| <b>Physical State:</b>        | Liquid                   | <b>Solubility:</b>           | Nil in water     |
| <b>Spec Grav./Density:</b>    | 0.92 at 60 F (Water = 1) | <b>Freezing/Melting Pt.:</b> | Not available    |
| <b>Viscosity:</b>             | Not available            | <b>Flash Point:</b>          | 52 C (126 F)     |
| <b>Boiling Point:</b>         | Not available            | <b>Vapor Density:</b>        | Not available    |
| <b>Flammability:</b>          | Not available            | <b>Bulk Density:</b>         | 7.63 lbs/gal     |
| <b>Partition Coefficient:</b> | Not available            | <b>UFL/LFL:</b>              | Not available    |
| <b>Vapor Pressure:</b>        | Not available            |                              |                  |
| <b>pH:</b>                    | Not available            |                              |                  |
| <b>Evap. Rate:</b>            | Not available            |                              |                  |
| <b>Decomp Temp:</b>           | Not available            |                              |                  |

### 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.
- Hazardous Decomposition:** Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.
- Hazardous Polymerization:** Will not occur.

### 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:**  
2-Butoxyethanol are severe eye irritants in rabbits.



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Solvent Petroleum Naphtha, slightly irritating to rabbits.

### SKIN EFFECTS:

Vinyl Acetate is a slight skin irritant. Skin absorption LD50 is 2,335 mg/kg in rabbits.

Solvent Petroleum Naphtha no deaths reported at 4 ml/kg in rats. Slightly irritating in rabbits at 4 hours.

### ACUTE ORAL EFFECTS:

Solvent Petroleum Naphtha LD50 10 ml/kg in rats.

2-Butoxyethanol LD50 1.4 g/kg in guinea pigs.

### ACUTE INHALATION EFFECTS:

Solvent Petroleum Naphtha no deaths at 710 ppm in rats at 4 hours.

2-Butoxyethanol LC50 >633 ppm in guinea pigs at 1 hour.

## 12 ECOLOGICAL INFORMATION

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

## 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

NA1993, Combustible liquid, -, PGIII, (Contains Petroleum Naphtha, 1,2,4-Trimethylbenzene.)

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

IMDG & IATA: UN1993, Flammable liquid, n.o.s., (Contains Petroleum Naphtha, 1,2,4-Trimethylbenzene), 3, III.

## 15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Solvent naphtha, petroleum, heavy arom. (64742-94-5) [20-30%] TSCA

2,6-Di-tert-butylphenol (128-39-2) [<10%] TSCA

1,4-Benzenediamine, N,N'-bis(1-methylpropyl)- (101-96-2) [<10%] TSCA

1,2,4-Trimethylbenzene (95-63-6) [<10%] MASS, NJHS, PA, SARA313, TSCA, TXAIR

RQ(100LBS), Naphthalene (91-20-3) [<5%] CERCLA, CSWHS, EPCRAWPC, GADSL, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

RQ(100LBS), Xylene (1330-20-7) [<3%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

2-Ethylhexanol (104-76-7) [<2%] MASS, PA, TSCA

1,3,5-Trimethylbenzene (108-67-8) [<2%] MASS, TSCA

Regulatory CODE Descriptions



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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  
CSWS = Clean Water Act Hazardous substances  
EPCRAWPC = EPCRA Water Priority Chemicals  
GADSL = Global Automotive Declarable Substance List (GADSL)  
HAP = Hazardous Air Pollutants  
OSHA WAC = OSHA workplace Air Contaminants  
PRIPOL = Clean Water Act Priority Pollutants  
TOXICPOL = Clean Water Act Toxic Pollutants  
TOXICRCRA = RCRA Toxic Hazardous wastes (U-List)  
TXHWL = TX Hazardous Waste List

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### OTHER INFORMATION

The information contained in this Safety Data Sheet relates only to the specific material designated. ADT Fuel Additives 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 ADT Fuel Additives.