

## Biobor DC + Cetane Winter Blend

SDS Number: 65010

Revision Date: 12/27/2021

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<b>1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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**Company**

Hammonds Fuel Additives, Inc.  
6951 W. Little York Rd  
Houston, TX 77040

**Phone:** 1-281-999-2900

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

**Product Identifier:** Biobor DC + Cetane Winter Blend

**Synonyms:** Diesel Fuel Additive

**SDS Number:** 65010

**Product Code:** 65010

**Revision Date:** 12/27/2021

**CAS Number:** Blend

<b>2</b>	<b>HAZARDS IDENTIFICATION</b>
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**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, Specific target organ toxicity - Single exposure, 3
- Health, Acute toxicity, 4 Inhalation
- Health, Acute toxicity, 4 Dermal
- Health, Acute toxicity, 4 Oral
- 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
- H314 - Causes severe skin burns and eye damage
- H335 - May cause respiratory irritation
- H336 - May cause drowsiness or dizziness
- H332 - Harmful if inhaled
- H312 - Harmful in contact with skin
- H302 - Harmful if swallowed
- 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.
- P273 - Avoid release to the environment.
- P302+352 - IF ON SKIN: Wash with soap and water.
- P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

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Continue rinsing.

### 3 COMPOSITION/INFORMATION OF INGREDIENTS

CAS#	Chemical Ingredients:	
	%	Chemical Name:
27247-96-7	30-40%	Nitric acid, 2-ethylhexyl ester
34590-94-8	10-20%	Dipropylene glycol methyl ether
64742-95-6	<10%	Solvent naphtha, petroleum, light arom.
64742-94-5	<10%	Solvent naphtha, petroleum, heavy arom.
95-63-6	<5%	1,2,4-Trimethylbenzene
1330-20-7	<3%	Xylene
91-20-3	<2%	Naphthalene
84605-20-9	<2%	Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.

### 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 C (>134 F)  
**Flash Point Method:** PMCC  
 Use dry powder, foam, or carbon dioxide fire extinguishers.  
 Water may be ineffective unless used by experienced fire fighters.

When heated above 100 C (212 F) may undergo a self-accelerating, 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. Spray storage vessels with water to maintain temperature below 100 C (212 F).

### 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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<b>7</b>	<b>HANDLING AND STORAGE</b>
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**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

<b>8</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**Engineering Controls:**      All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

**Personal Protective Equipment:**      Hand protection: Chemical resistant gloves are recommended.  
                                          Eye protection: Safety glasses with side shields are recommended.

**Exposure Guidelines:**      Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate.

**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>

**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>

**Dipropylene Glycol Methyl Ether**

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

ACGIH TWA: 100 ppm

ACGIH STEL: 150 ppm

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Appearance:**                      Amber  
**Physical State:**                  Liquid  
**Odor:**                                  Aromatic  
**Solubility:**                          Nil in water  
**Freezing/Melting Pt.:**          Not available  
**Flammability:**                      Not available  
**Flash Point:**                        >57 C (>134 F)  
**Partition Coefficient:**          Not available  
**pH:**                                      Not available  
**Bulk Density:**                       7.75 lbs/gal at 60 F  
**Decomp Temp:**                      Not available  
**UFL/LFL:**                              Not available

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### STABILITY AND REACTIVITY

**Chemical Stability:** 2-Ethylhexylnitrate: When heated above 100 C (212 F) may undergo a self-accelerating, 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.

**Hazardous Polymerization:** Will not occur.

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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 mutagen or teratogen.

#### SKIN EFFECTS:

Solvent Petroleum Naphtha, no deaths reported at 4 ml/kg (Rat). Slightly irritating (rabbit, 4 hour(s)).  
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.  
Vinyl Acetate Monomer, Oral LD50, 2,920 mg/kg in rats.

#### 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 waste material in accordance with all local, state/provincial, and national requirements  
Do not flush to surface water or drains

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### TRANSPORT INFORMATION

NA1993, Combustible liquid, n.o.s., (Contains 2-Ethylhexylnitrate, Petroleum Naphtha. (Marine pollutant if in containers greater than 119 gallons), Combustible liquid, PG I

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

Marine pollutant if in containers greater than 119 gallons.

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

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### REGULATORY INFORMATION

COMPONENT (CAS#) [%] - CODES

TSCA: All components listed or exempt

DSL: All components listed or exempt



#### 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](http://www.P65Warnings.ca.gov).

REGULATORY KEY DESCRIPTIONS

TSCA = United States Toxic Substances Control Act

DSL = Canadian Domestic Substances List

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### OTHER INFORMATION

The information contained in this Safety Data Sheet relates only to the specific material designated. Hammonds Fuel Additive, Inc. 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 Hammonds Fuel Additives, Inc.

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