

## Biobor DC Plus Cetane

SDS Number: 65009

Revision Date: 12/27/2021

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### PRODUCT AND COMPANY IDENTIFICATION

**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 Plus Cetane

**Synonyms:** Diesel Fuel Additive

**SDS Number:** 65009

**Product Code:** 65009

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

**CAS Number:** Blend

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### HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

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

Physical, Flammable Liquids, 4  
Health, Skin corrosion/irritation, 1 C  
Health, Specific target organ toxicity - Single exposure, 3  
Health, Acute toxicity, 4 Oral  
Health, Acute toxicity, 4 Dermal  
Health, Acute toxicity, 4 Inhalation  
Health, Aspiration hazard, 1  
Health, Carcinogenicity, 2  
Environmental, Hazards to the aquatic environment - Chronic, 2

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **DANGER**

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

H227 - Combustible liquid  
H314 - Causes severe skin burns and eye damage  
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  
H304 - May be fatal if swallowed and enters airways  
H351 - Suspected of causing cancer  
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.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

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P308+313 - IF exposed or concerned: Get medical advice/attention.

**Hazards not Otherwise Classified (HNOC) or not Covered by GHS**

**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.**

**VAPOR MAY CAUSE FLASH FIRE**

<b>3</b>	<b>COMPOSITION/INFORMATION OF INGREDIENTS</b>
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CAS#	Chemical Ingredients: % Chemical Name:
27247-96-7	40-50% Nitric acid, 2-ethylhexyl ester
34590-94-8	15-25% Dipropylene glycol methyl ether
64742-94-5	<10% Solvent naphtha, petroleum, heavy arom.
64742-95-6	<5% Solvent naphtha, petroleum, light arom.
95-63-6	<5% 1,2,4-Trimethylbenzene
91-20-3	<2% Naphthalene
1330-20-7	<2% Xylene
84605-20-9	<2% Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.

<b>4</b>	<b>FIRST AID MEASURES</b>
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**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.

<b>5</b>	<b>FIRE FIGHTING MEASURES</b>
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**Flash Point:** >67 C (>153 F)

**Flash Point Method:** PMCC

Use water spray (fog), 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).

VAPOR MAY CAUSE FLASH FIRE. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Decomposition products may include the following material: Carbon dioxide, Carbon monoxide, Nitrogen oxides

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### ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition - Heat, sparks, flame, and electricity  
 Keep unnecessary personnel away  
 Use suitable protective equipment (section 8)  
 Follow all fire fighting procedures (section 5)  
 Do not touch or walk through spilled material

If emergency personnel are unavailable:  
 Contain spilled material.  
 Pick up excess with inert absorbant material

For large spills:  
 dike spilled material  
 Use explosion proof means to transfer material to an appropriate sealable container  
 Keep away from drains and ground water.  
 Avoid contact of spilled material with soil

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### 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).  
 Use explosion proof electrical (ventilation, lighting, and material handling) equipment  
 Ground and bond containers when transferring material

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.

Product transfer:  
 Do not heat the product. Prior to starting transfer pump, ensure all valves in the product discharge line are open and that the line is unobstructed. Immediately after starting the transfer pump, verify that the product is flowing. If the product is not flowing, shut the pump off immediately. A pneumatic driven diaphragm pump or pumps of other designs equipped with high temperature (75 C) shut off devices are recommended when pumps are provided at fixed locations.

#### Storage Requirements:

Avoid all possible ignition sources.  
 Do not heat  
 Warehouses equipped with fire suppression systems are recommended.  
 Suppression system should be adequate to keep product cool in the event of a fire.  
 Keep container in a cool, well ventilated area.  
 Store in a tightly closed container and sealed until ready for use.

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### EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Controls:</b>	All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).
<b>Personal Protective Equipment:</b>	Hand protection: Chemical resistant gloves are recommended. Eye protection: Safety glasses with side shields are recommended.
<b>Exposure Guidelines:</b>	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. <b>Light Aromatic Solvent Naphtha (Petroleum)</b> OSHA TWA: 500 ppm <b>1,2,4-Trimethylbenzene</b> ACGIH TWA: 25 ppm <b>Xylene</b> 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>

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### PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Amber
<b>Physical State:</b>	Liquid
<b>Solubility:</b>	Nil in water
<b>Spec Grav./Density:</b>	0.94 at 60 F (Water = 1)
<b>Boiling Point:</b>	Not available
<b>Freezing/Melting Pt.:</b>	Not available
<b>Flash Point:</b>	>67 C (>153 F)
<b>Partition Coefficient:</b>	Not available
<b>pH:</b>	Not available
<b>Bulk Density:</b>	7.75 lbs/gal
<b>Decomp Temp:</b>	> 100 C

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### STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Unstable at temperatures greater than 100 C (212 F).
<b>Conditions to Avoid:</b>	High temperatures above 50 C (122 F), sparks, and open flame.
<b>Materials to Avoid:</b>	Avoid strong oxidizing agents. May burn or react violently to flourine/oxygen mixtures.
<b>Hazardous Decomposition:</b>	Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide.
<b>Hazardous Polymerization:</b>	Will not occur.

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### TOXICOLOGICAL INFORMATION

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

#### EYE EFFECTS:

Solvent Petroleum Naphtha, slightly irritating to rabbits.

#### SKIN EFFECTS:

Solvent Petroleum Naphtha no deaths reported at 4 ml/kg in rats. Slightly irritating in rabbits at 4 hours.  
2-Ethylhexylnitrate LD50 >5000 mg/kg in rabbits.

#### ACUTE ORAL EFFECTS:

Solvent Petroleum Naphtha LD50 10 ml/kg in rats.  
Naphthalene LD50 2600 mg/kg in rats  
2-Ethylhexylnitrate LD50 >10000 mg/kg in rats

#### ACUTE INHALATION EFFECTS:

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

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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, Dipropylene glycol methyl ether), (Marine Pollutant), Combustible liquid, PG III

Not regulated by US DOT in containers less than 119 gallons.

IMDG: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (2-Ethylhexylnitrate, Dipropylene glycol methyl ether), 9, PGIII, Marine Pollutant

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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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<b>16</b>	<b>OTHER INFORMATION</b>
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