

Biobor DC Winter Blend

SDS Number: 65006

Revision Date: 12/23/2021

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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 Winter Blend

Synonyms: Diesel Fuel Additive

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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, 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
- 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.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P308+313 - IF exposed or concerned: Get medical advice/attention.

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3	COMPOSITION/INFORMATION OF INGREDIENTS
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CAS#	Chemical Ingredients: % Chemical Name:
64742-94-5	10-30% Solvent naphtha, petroleum, heavy arom.
64742-95-6	10-30% Solvent naphtha, petroleum, light arom.
34590-94-8	10-30% Dipropylene glycol methyl ether
95-63-6	<10% 1,2,4-Trimethylbenzene
1330-20-7	<5% Xylene
91-20-3	<3% Naphthalene
25551-13-7	<2% Trimethyl benzene
84605-20-9	<2% Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.

4	FIRST AID MEASURES
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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.

5	FIRE FIGHTING MEASURES
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Flash Point: >67 C (>153 F)

Flash Point Method: TCC

Suitable extinguishing media: Use dry chemical, CO2, water spray (fog) or foam.

Unsuitable extinguishing media: Do not use water jet

6	ACCIDENTAL RELEASE MEASURES
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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
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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

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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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/m³
 ACGIH TWA: 100 ppm, 434 mg/m³
 OSHA STEL: 150 ppm, 655 mg/m³
 ACGIH STEL: 150 ppm, 651 mg/m³

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

Dipropylene Glycol Methyl Ether
 OSHA PEL: 100 ppm, 600 mg/m³
 ACGIH TWA: 100 ppm
 ACGIH STEL: 150 ppm

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Amber
Physical State:	Liquid
Solubility:	Nil in water
Spec Grav./Density:	0.91 at 60 F (Water = 1)
Boiling Point:	Not available
Freezing/Melting Pt.:	Not available
Flammability:	Not available
Flash Point:	>67 C (>153 F)
Partition Coefficient:	Not available
pH:	Not available
Bulk Density:	7.61 lbs/gal
Decomp Temp:	Not available
UFL/LFL:	Not available

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

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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.
 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
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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
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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
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NA1993, Combustible liquid, n.o.s., (Contains Dipropylene glycol monomethyl ether, Petroleum naphtha.), Combustible liquid, PG III

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

 IMDG & IATA: UN1993, Flammable liquid, n.o.s., (Contains Dipropylene glycol monomethyl ether, Petroleum naphtha), 3, III.

15	REGULATORY INFORMATION
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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.

REGULATORY KEY DESCRIPTIONS

TSCA = United States Toxic Substances Control Act
 DSL = Canadian Domestic Substances List

16	OTHER INFORMATION
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