

Biobor DC Plus Cetane

SDS Number: 65009

Revision Date: 6/4/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Biobor DC Plus Cetane
Revision Date: 6/4/2015
SDS Number: 65009
CAS Number: Blend
Product Code: 65009
Synonyms: Diesel Fuel Additive

Company Identification

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

1-281-951-1427 (For product information)
1-800-424-9300 (For emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

2 HAZARDS IDENTIFICATION

GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

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 Phrases:

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

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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.

3	COMPOSITION/INFORMATION ON INGREDIENTS
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Ingredients:

Chemical Name	Percentage	CAS#
2-Ethylhexylnitrate	40.0 - 50.0	27247-96-7
Dipropylene glycol monomethyl ether	15.0 - 25.0	34590-94-8
Heavy aromatic solvent naphtha	< 10.0	64742-94-5
Light aromatic solvent naphtha	< 5.0	64742-95-6
1,2,4-Trimethylbenzene	< 5.0	95-63-6
Naphthalene	< 2.0	91-20-3
Xylene	< 2.0	1330-20-7
Amine reaction products	< 2.0	84605-20-9
2-Ethylhexanol	< 1.0	104-76-7
Ethylbenzene	< 1.0	100-41-4
1,3,5-Trimethylbenzene	< 0.1	108-67-8
Cumene	< 0.1	98-82-8

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: If swallowed, do NOT induce vomiting.
 Have the victim rinse mouth with water, and then drink 2 - 4 cupfuls of water.
 Get immediate medical attention.

NOTES TO PHYSICIAN:
 Activated charcoal mixture may be administered.

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5 FIRE FIGHTING MEASURES

Flash Point: 67.2 C (153.0 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.

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 container
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 Equip: Use of safety glasses and gloves are recommended.

EXPOSURE GUIDELINES:
SOLVENT NAPHTHA, PETROLEUM, LIGHT AROM.
OSHA TWA: 500 ppm

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

XYLENE
OSHA TWA: 100 ppm, 435 mg/m³
ACGIH TWA: 100 ppm, 434 mg/m³
OSHA STEL: 150 ppm, 655 mg/m³

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ACGIH STEL: 150 ppm, 651 mg/m³

ETHYLBENZENE

OSHA TWA: 100 ppm

OSHA STEL: 125 ppm

ACGIH STEL: 125 ppm

1,3,5-TRIMETHYLBENZENE

ACGIH TWA: 25 ppm

CUMENE

OSHA PEL: 50 ppm

OSHA TWA: 50 ppm, 245 mg/m³

ACGIH TWA: 50 ppm, 246 mg/m³

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber

Physical State: Liquid

Solubility: Nil in water

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: High temperatures above 50 C (122 F) and open flame.

Materials to Avoid: Avoid strong oxidizing agents.

May burn or react violently to flourine/oxygen mixtures.

11 TOXICOLOGICAL INFORMATION

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

EYE EFFECTS:

Solvent Petroleum Naphtha, slightly irritating (rabbit).

SKIN EFFECTS:

Solvent Petroleum Naphtha, no deaths reported at 4 ml/kg (Rat). Slightly irritating (rabbit, 4 hour(s)).

ACUTE ORAL EFFECTS:

Solvent Petroleum Naphtha, LD50, 10 ml/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).

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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

UN #: NA 1993, Class: -, Proper Shipping Name: Combustible liquid, n.o.s.

MISCELLANEOUS:

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

If shipping overseas, or via air, the proper shipping name is: Flammable liquid, n.o.s., (Contains Ethylene Glycol Monobutyl Ether, Naphthalene), 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).

REGULATORY DISCLOSURES:

New Jersey Right to Know list:

1,2,4-Trimethylbenzene, CAS #95-63-6, < 6.0 %.
Xylene, CAS # 1330-20-7, < 3.0 %.
Naphthalene, CAS # 91-20-3, < 5.0 %.
1,3,5-Trimethylbenzene, CAS # 108-67-8, < 0.2 %.
Cumene, CAS# 98-82-8, < 0.2 %.

Pennsylvania Right to Know List:

1,2,4-Trimethylbenzene, CAS #95-63-6, < 6.0 %.
Xylene, CAS # 1330-20-7, < 3.0 %.
Ethylbenzene, CAS # 100-41-4, < 0.5 %.
Naphthalene, CAS # 91-20-3, < 5.0 %.
Dipropylene Glycol Monomethyl Ether, CAS# 34590-94-8, 30.0 - 50.0 %.
Cumene, CAS# 98-82-8, < 0.2 %.

Canadian Disclosure List

DIPROPYLENE GLYCOL MONOMETHYL ETHER (34590-94-8)
1,2,4-TRIMETHYLBENZENE (95-63-6)
NAPHTHALENE (91-20-3)
ETHYLBENZENE (100-41-4)
1,3,5-TRIMETHYLBENZENE (108-67-8)

SARA Title III - Section 313

1,2,4-TRIMETHYLBENZENE (95-63-6)
NAPHTHALENE (91-20-3)

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XYLENE (1330-20-7)

CERCLA Hazardous Substances

NAPHTHALENE (91-20-3) -- RQ 100 lb

XYLENE (1330-20-7) -- RQ 1000 lb

ETHYLBENZENE (100-41-4) -- RQ 1000 lb

CUMENE (98-82-8) -- RQ 5000 lb

RCRA Hazardous Substances

NAPHTHALENE (91-20-3) -- RCRA Code: U165

XYLENE (1330-20-7) -- RCRA Code: U239

CUMENE (98-82-8) -- RCRA Code: U055

Title V

1,2,4-TRIMETHYLBENZENE (95-63-6)

NAPHTHALENE (91-20-3)

XYLENE (1330-20-7)

ETHYLBENZENE (100-41-4)

CUMENE (98-82-8)

SC Toxic Air Pollutants List

NAPHTHALENE (91-20-3)

XYLENE (1330-20-7)

ETHYLBENZENE (100-41-4)

CUMENE (98-82-8)

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OTHER INFORMATION

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