

Biobor MD

SDS Number: 65002

Revision Date: 12/22/2021

Page 1 of 4

1

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 MD
Synonyms: Diesel Fuel Additive
SDS Number: 65002
Product Code: 65002
Revision Date: 12/22/2021
CAS Number: Blend

2

HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

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

Physical, Flammable Liquids, 4
Health, Specific target organ toxicity - Single exposure, 3
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:

H227 - Combustible liquid
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
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
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.

Biobor MD

SDS Number: 65002

Revision Date: 12/22/2021

Page 2 of 4

3	COMPOSITION/INFORMATION OF INGREDIENTS
----------	---

CAS#	%	Chemical Name:
27247-96-7	40-60%	Nitric acid, 2-ethylhexyl ester
64742-94-5	15-30%	Solvent naphtha, petroleum, heavy arom.
64742-95-6	5-15%	Solvent naphtha, petroleum, light arom.
34590-94-8	5-15%	Dipropylene glycol methyl ether
95-63-6	<3%	1,2,4-Trimethylbenzene
91-20-3	<3%	Naphthalene

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: 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.

5	FIRE FIGHTING MEASURES
----------	-------------------------------

Flash Point: >63 C (>147 F)

Flash Point Method: PMCC

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

Unsuitable extinguishing media: Do not use water jet

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 Equipment:

Hand protection: Chemical resistant gloves are recommended.

Eye protection: Safety glasses with side shields are recommended.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a

Biobor MD

SDS Number: 65002

Revision Date: 12/22/2021

Page 3 of 4

Exposure Guidelines:

level which is adequate to protect worker health, an approved respirator may be appropriate.

Light Aromatic Solvent Naphtha (Petroleum)

OSHA TWA: 500 ppm

Dipropylene Glycol Methyl Ether

OSHA PEL: 100 ppm, 600 mg/m³

ACGIH TWA: 100 ppm

ACGIH STEL: 150 ppm

1,2,4-Trimethylbenzene

ACGIH TWA: 25 ppm

Naphthalene

OSHA TWA: 10 ppm, 50 mg/m³

9	PHYSICAL AND CHEMICAL PROPERTIES
----------	---

Appearance:	Amber
Physical State:	Liquid
Solubility:	Nil in water
Spec Grav./Density:	0.93 at 60 F (Water = 1)
Boiling Point:	Not available
Freezing/Melting Pt.:	Not available
Flash Point:	>63 C (>147 F)
Partition Coefficient:	Not available
pH:	Not available
Bulk Density:	7.75 lbs/gal
Decomp Temp:	Not available
UFL/LFL:	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
-----------	----------------------------------

Acute Toxicity:

1,2,4-Trimethylbenzene

LD50 Dermal Rabbit 3160 mg/kg

LD50 Oral Rat 5000 mg/kg

LC50 Inhalation, Vapor, Rat 18000 mg/m³ 4 hours

Naphthalene

LD50 Dermal Rat >2500 mg/kg

LD50 Oral Rat 2600 mg/kg

LC50 Inhalation, Gas, Rat >100 ppm 8 hours

Light aromatic solvent naphtha (petroleum)

LD50 Dermal Rabbit >3160 mg/kg

LD50 Oral Rat 3492 mg/kg

LC50 Inhalation, Vapor, Rat 6193 mg/m³ 4 hours

Biobor MD

SDS Number: 65002

Revision Date: 12/22/2021

Page 4 of 4

12 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.

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, n.o.s., (Contains Petroleum Naphtha, 2-EthylhexylNitrate), (Marine pollutant), 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 Petroleum Naphtha, 2-EthylhexylNitrate), 3, III, Marine Pollutant

15 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.

REGULATORY KEY DESCRIPTIONS

TSCA = United States Toxic Substances Control Act

DSL = Canadian Domestic Substances List

16 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.

Revision Date: 12/22/2021