



SAFETY DATA SHEET

BTMS 50

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: BTMS 50

Company: Deo Organic,
2300 kathryn ln plano tx 75025
sales@deoorganic.com

2. HAZARD IDENTIFICATION

GHS Classification

Skin corrosion/irritation: Category2
Serious eye damage/irritation: Category2A
Chronic aquatic toxicity: Category3

GHS Label elements

Hazard Symbol



Signal word

Warning.

Hazard statements:

H315 Causes skin irritation
H319 Causes serious eye irritation
H412 Harmful to aquatic life with long lasting effects

Precautionary statements:

Prevention

P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.



P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

Storage

Not applicable

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

Other hazards:

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	Trade names and Synonyms	Content(%)
Behenyltrimethylammonium methosulfate	Not applicable	50
1-hexadecanol	Cetyl alcohol ; 1-Hexadecanol ; Palmitic alcohol ; Hexadecyl alcohol ; 1-Cetanol ; Hexadecan-1-ol ; n-1-Hexadecanol ; n-Cetyl alcohol ; n-Hexadecanol ; Palmitic alcohol ;	40
1,3-Butanediol	Butane-1,3-diol ; Butanediol, 1,3- ; (RS)-1,3-Butanediol ; b-Butylene glycol ; 1,3-Dihydroxybutane ; 1-Methyl-1,3-propanediol ; 3-Hydroxy-1-butanol ; Butylene glycol ; Methyltrimethylene glycol ; DL-1,3-Butanediol	10.0

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4. FIRST AID MEASURES

Ingestion:

Please be advised by doctor whether induction of vomit is demanded or not.
Rinse your mouth with water immediately.

Inhalation:

Take specific treatment if needed.
When exposed to large amounts of steam and mist, move to fresh air.

Skin contact:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash contaminated clothing thoroughly before re-using.
Go to the hospital immediately if symptoms (flare, irritate) occur.
Wash thoroughly after handling.

Eye contact:

Do not rub your eyes.
Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician.
Go to the hospital immediately if symptoms (flare, irritate) occur.
Remove contact lenses if worn.

Delayed and immediate effects and also chronic effects from short and long term exposure

Not applicable

Notes to physician

Notify medical personnel of contaminated situations and have them take appropriate protective measures.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Avoid use of water jet for extinguishing.
Dry chemical, carbon dioxide, regular foam extinguishing agent, spray.

Special hazards arising from the substance

Causes serious eye irritation. Causes skin irritation.
Harmful to aquatic life with long lasting effects

Advice for firefighters



Avoid inhalation of materials or combustion by-products
Cool containers with water until well after fire is out.
Do not approach the tank surrounded by fire until it is extinguished.
In case of conflagration, use automatic fire sprinkler. Major fire may require withdrawal, allowing the object itself to burn.
Keep unauthorized personnel out.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Do not touch spilled material. Stop leak if you can do it without risk.
Handle the damaged containers or spilled material after wearing appropriate protective equipment.
Move container to safe area from the leak area.
Must work against the wind, let the upwind people to evacuate.
Remove all sources of ignition.

Environmental precautions:

If large amounts have been spilled, inform the relevant authorities.
Prevent runoff and contact with waterways, drains or sewers.

Methods and materials for containment and cleaning up

Appropriate container for disposal of spilled material collected.
Disposal of waste shall be in compliance with the Wastes Control Act.
Dust spills: Cover dust spills with plastic sheet or waterproof cloth to minimize spreading and avoid contact with water.
Large spill : Stay upwind and keep out of low areas. Dike for later disposal.
Notify the central and local government if the emission reach the standard threshold.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with incompatible materials.
Avoid direct physical contact.
Comply with all applicable laws and regulations for handling.
Dealing only with a well-ventilated place.
Do not handle until all safety precautions have been read and understood.

Conditions for safe storage

Avoid direct sunlight.
Check regularly for leaks.



Do not apply any physical shock to container.

Do not apply direct heat.

Do not use damaged containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

ACGIH TLV

Not applicable

OSHA PEL

Not applicable

Exposure controls

Business owner is recommended to maintain below recommended exposure limits for the working place with general exhaust of gas/vapour/mist/fume.

Individual protection measures

Respiratory protection

Air-purifying respirator with high-efficiency particulate filtering.

Any respiratory protection with a electro motion fan (for dust, mist, fume-purifying).

Consider warning properties before use.

Dust, mist, fume-purifying respiratory protection.

For Unknown Concentration or Immediately Dangerous to Life or Health: Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece.

Respiratory protection is ranked in order from minimum to maximum.

Self-contained breathing apparatus with a corpuscle filter of high efficiency.

Under conditions of frequent use or heavy exposure, Respiratory protection may be needed.

Eye protection

Provide an emergency eye wash station and quick drench shower in the immediate work area.

Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.

Hand protection

Wear appropriate chemical resistant glove.

Skin protection

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Wear appropriate chemical resistant protective clothing.

Respiratory protection:

Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

A. Appearance	
- Appearance	Solid (at 25°C)
- Color	White to off white
B. Odor	Not applicable
C. Odor threshold	Not applicable
D. pH	5-7 (2% in DI H ₂ O)
E. Melting point/Freezing point	65-79°C
F. Initial Boiling Point/Boiling Ranges	Not applicable
G. Flash point	>93°C
H. Evaporation rate	>1 (Air=1)
I. Flammability(solid, gas)	Not applicable
J. Upper/Lower Flammability or explosive limits	Not applicable
K. Vapour pressure	Not applicable
L. Solubility	Insoluble in water
M. Vapour density	Not applicable
N. Specific gravity(Relative density)	0.87 at 70°C (water=1)
O. Partition coefficient of n-octanol/water	Not applicable
P. Autoignition temperature	Not applicable
Q. Decomposition temperature	Not applicable
R. Viscosity	Not applicable
S. Molecular weight	476

10. STABILITY AND REACTIVITY

Chemical stability

This material is stable under recommended storage and handling conditions.

Possibility of hazardous reactions

Hazardous Polymerization will not occur.

Conditions to avoid

Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces.

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Avoid contact with incompatible materials and condition.

Incompatible materials

Not applicable

Hazardous decomposition products

May emit flammable vapour if involved in fire.

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure:

Respiratory tracts

Not applicable

Oral

Not applicable

Eye-Skin

Causes serious eye irritation. Causes skin irritation

Delayed and immediate effects and also chronic effects from short and long term exposure

Acute toxicity:

Oral

Product (ATEmix): >5000mg/kg

[1-hexadecanol]: LD50 5000 mg/kg Rat.

[1,3-Butanediol]: LD50 = 18610 mg/kg Rat (IUCRID; NLM)

Dermal

Product (ATEmix) : >5000mg/kg

[1-hexadecanol]: LD50 > 2600 mg/kg Rabbit.

[1,3-Butanediol]: LD50 > 20000 mg/kg Rabbit (NLM, THOMSON)

Inhalation

Product (ATEmix): Not applicable.

Skin corrosion/irritation

Causes skin irritation



Serious eye damage/irritation

Causes serious eye irritation

Respiratory sensitization

Not applicable

Skin sensitization

Not applicable

Carcinogenicity

IARC

Not applicable

OSHA

Not applicable

ACGIH

Not applicable

NTP

Not applicable

EU CLP

Not applicable

Germ cell mutagenicity

Not applicable

Reproductive toxicity

Not applicable

STOT-single exposure

Not applicable

STOT-repeated exposure

Not applicable

Aspiration hazard

Not applicable

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12. ECOLOGICAL INFORMATION

Ecotoxicity:

Fish

[1-hexadecanol]: LC50 0.005 mg/l 96 hr (Estimate)

[1,3-Butanediol]: LC50 = 9493.724 mg/l 96 hr (Estimate)

Crustaceans

[1,3-Butanediol]: LC50 = 8684.336 mg /l 48 hr (Estimate)

Algae

[1-hexadecanol]: EC50 676 mg /l 96 hr (IUCLID)

[1,3-Butanediol]: EC50 = 4758.681 mg /l 96 hr (Estimate)

Persistence and degradability No data available:

Persistence

[1-hexadecanol]: log Kow 6.65 (IUCLID).

[1,3-Butanediol]: log Kow -0.29 (Estimate) (ChemIDplus)

Degradability

Not applicable

Bioaccumulative potential:

Bioaccumulative potential

[1-hexadecanol]: BCF 56 (NLM/HSDB)

Biodegradation

[1-hexadecanol]: 76 (%) 28 day (IUCLID)

Mobility in soil

[1-hexadecanol]: Koc 25000 (NLM/HSDB)

Other adverse effects

Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal methods

It shall be treated by incineration.

Oil water separation technology shall be applied as pre-waste treatment if it is applicable



Stabilization and minimization treatment by incineration or similar method can be applied, if more than two kinds of designated wastes are in mixture state and it is impractical to separate them

Special precautions for disposal

Anyone with business license number who generates industrial wastes shall treat the waste by him/herself or by entrusting to the legal entities who treat the wastes, recycle the wastes of others or install and operate the waste treatment facilities according to the Wastes Control Act Dispose of waste in accordance with all applicable laws and regulations.

14. TRANSPORT INFORMATION

UN No. (IMDG CODE/IATA DGR)

Not applicable

Proper shipping name

Not applicable

Hazard Class

Not applicable

IMDG CODE/IATA DGR Packing group

Not applicable

Marine pollutant

Not applicable

Special precautions for user related to transport or transportation measures

Air transport (IATA): Not subject to IATA regulations.

Local transport follows in accordance with Dangerous goods Safety Management Law.

Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.

EmS FIRE SCHEDULE: Not applicable

EmS SPILLAGE SCHEDULE: Not applicable

15. REGULATORY INFORMATION

National and/or international regulatory information

POPs Management Law

[Behenyltrimethylammonium methosulfate]: Not applicable

[1-hexadecanol] : Not applicable

[1,3-Butanediol] : Not applicable

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**Information of EU Classification**

Classification: Not applicable

U.S. Federal regulations**OSHA PROCESS SAFETY (29CFR1910.119)**

Not applicable

CERCLA Section 103 (40CFR302.4)

Not applicable

EPCRA Section 302 (40CFR355.30)

Not applicable

EPCRA Section 304 (40CFR355.40)

Not applicable

EPCRA Section 313 (40CFR372.65)

Not applicable

Rotterdam Convention listed ingredients

Not applicable

Stockholm Convention listed ingredients

Not applicable

Montreal Protocol listed ingredients

Not applicable

16. OTHER INFORMATION**Reference**

The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.

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Revision number and Last date revised

Not applicable

Other

This SDS is prepared according to the Globally Harmonized System (GHS)

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