Safety Data Sheet
Mountain Meets The Ocean Fragrance Oil

SECTION 1: Identification

1.1 Product identifier

Product name	Mountain Meets The Ocean Fragrance Oil
Brand	Nature's Oil

1.3 Recommended use of the chemical and restrictions on use

No additional information available.

1.4 Supplier's details

Name	Bulk Apothecary
Address	115 Lena Dr Aurora OH 44202 United States
Telephone	1-888-728-7612
email	sales@bulkapothecary.com

1.5 Emergency phone number(s)

Domestic: 1-800-633-8253 International: 801-629-0667

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, inhalation, Cat. 1
- Eye damage/irritation, Cat. 2A
- Toxic to reproduction, Cat. 2
- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram

Signal word	**Danger**

Hazard statement(s)

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H330	Fatal if inhaled
H361	Suspected of damaging fertility or the unborn child

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands, forearms, and face thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	In case of inadequate ventilation wear respiratory protection.
P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor
P320	Specific treatment is urgent (see supplemental first aid instruction on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, state, national, and/or international regulations

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. BENZYL BENZOATE

Concentration	25 - 50 % (weight)
EC no.	204-402-9
CAS no.	120-51-4
Index no.	607-085-00-9

- Acute toxicity, Cat. 4302

2. 2-(4-tert-Butylbenzyl)propionaldehyde

Concentration	10 - 25 % (weight)

EC no.	201-289-8
CAS no.	80-54-6

- Acute toxicity

3. Octanal, 2-(phenylmethylene)-

Concentration	5 - 10 % (weight)
EC no.	202-983-3
CAS no.	101-86-0

- Skin Sens. 1B, H317

4. Benzoic acid, 2-hydroxy-, hexyl ester

Concentration	5 - 10 % (weight)
CAS no.	6259-76-3

- Skin Irrit. 2, H315
Skin Sens. 1, H317
Aquatic Acute 1, H400
Aquatic Chronic 1, H410

5. Phenethyl alcohol

Concentration	1 - 5 % (weight)
CAS no.	60-12-8

- Acute toxicity, Cat. 43022319

6. 3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-

Concentration	1 - 5 % (weight)
EC no.	204-846-3
CAS no.	127-51-5

- Skin Irrit. 2, H315
Eye Irrit. 2B, H320
Skin Sens. 1B, H317
Aquatic Acute 2, H401
Aquatic Chronic 2, H411

7. Hydroxycitronellal

Concentration	1 - 5 % (weight)
EC no.	203-518-7
CAS no.	107-75-5

- Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317

8. 6-Octen-1-ol, 3,7-dimethyl-

Concentration 1 - 5 % (weight)
CAS no. 106-22-9

- Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317

9. 2-Buten-1-ol, 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-
Concentration 1 - 5 % (weight)
CAS no. 28219-61-6

- Eye Irrit. 2, H319
Aquatic Acute 1, H400
Aquatic Chronic 1, H410

10. Benzenepropanal, alpha-methyl-4-(1-methylethyl)-
Concentration 1 - 5 % (weight)
CAS no. 103-95-7

- Skin Irrit. 2, H315
Skin Sens. 1B, H317

11. Linalyl acetate
Concentration 0.1 - 1 % (weight)
EC no. 204-116-4
CAS no. 115-95-7

- Flam. Liq. 4, H227
Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317

12. GERANYL ACETATE
Concentration 0.1 - 1 % (weight)
CAS no. 105-87-3

- Skin Irrit. 2, H315
Skin Sens. 1, H317

13. Linalool
Concentration 0.1 - 1 % (weight)
EC no. 201-134-4
CAS no. 78-70-6

- Flam. Liq. 4, H227
Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician immediately. Show this safety data sheet to the doctor in attendance.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor immediately.
In case of skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Do not induce vomiting. Call a poison center or physician immediately.

4.2 Most important symptoms/effects, acute and delayed

Inhalation: May cause respiratory irritation
Skin Contact: Irritation. May cause allergic skin reaction
Eye Contact: Irritation
Ingestion: May be harmful if ingested/inhaled

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Specific hazards arising from the chemical

Upon combustion may produce oxides of carbon, smoke, and fumes. Burning fumes may be acrid.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting. Wear protective clothing and gear to prevent contact with skin and eyes.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate spillage area. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Emergency responders: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions
Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up
Soak up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site

Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities
Store locked up in a cool, dry, and well ventilated place. Keep container tightly closed. Store away from direct sunlight and ignition sources.

Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls
Ensure Good Ventilation of the work station. Handle material in accordance with good industrial hygiene and safety practices. Avoid release into the environment.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection
Wear chemical goggles or safety glasses.

Skin protection
Wear protective gloves.

Body protection
Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Respiratory protection
Wear respiratory protection.

Thermal hazards
No data available

Environmental exposure controls
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid; Colorless to pale yellow
Odor	Characteristic; Matching retainer sample
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	117 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability limits	No data available
Upper/lower explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.02 (1.010 - 1.030)
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other safety information
Refractive index: 1.52 (1.510 - 1.530)

SECTION 10: Stability and reactivity

10.1 Reactivity
None under normal use conditions.

10.2 Chemical stability
Stable under recommended use, transport, and storage conditions.

10.3 Possibility of hazardous reactions
None under normal use conditions.

10.4 Conditions to avoid
None under normal use conditions.

10.5 Incompatible materials
No additional information available.

10.6 Hazardous decomposition products
On combustion may produce smoke, carbon monoxide, and carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
OIL, MOUNTAIN MEETS THE OCEAN* (N/A)
ATE US (vapors) 0.382 mg/l/4h

CITRONELLOL (106-22-9)
LD50 oral rat 3450 mg/kg (Rat, Inconclusive, insufficient data, Oral)
LD50 dermal rabbit 2650 mg/kg (Rabbit, Inconclusive, insufficient data, Dermal)
ATE US (oral) 3450 mg/kg body weight
ATE US (dermal) 2650 mg/kg body weight

ALPHA HEXYLCINNAMALDEHYDE (101-86-0)
ATE US (oral) 3100 mg/kg body weight

BENZYL BENZOATE (120-51-4)
LD50 oral rat > 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit > 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental value, Dermal)
ATE US (oral) 1500 mg/kg body weight
ATE US (dermal) 4000 mg/kg body weight

GERANYL ACETATE (105-87-3)
LD50 oral rat 6300 mg/kg (Rat, Oral)
ATE US (oral) 6300 mg/kg body weight

HYDROXYCITRONELLAL (107-75-5)
LD50 oral rat > 5000 mg/kg (Rat)
LD50 dermal rabbit > 2000 mg/kg (Rabbit)

p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)
LD50 oral rat 1390 mg/kg (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 dermal rat > 2000 mg/kg (Equivalent or similar to OECD 402, Rat, Male/female, Experimental value, Dermal, 14 day(s))
LC50 inhalation rat (mg/l) > 0.18 mg/l (IRT (inhalation risk test), 7 h, Rat, Male/female, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (oral) 1390 mg/kg body weight
ATE US (vapors) 0.05 mg/l/4h

LINALOOL (78-70-6)
LD50 oral rat 2790 mg/kg (Rat)
LD50 dermal rat 5610 mg/kg (Rat)
LD50 dermal rabbit > 5000 mg/kg (Rabbit)
ATE US (oral) 2790 mg/kg body weight
ATE US (dermal) 5610 mg/kg body weight

2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)
LD50 oral rat 3810 mg/kg (Rat, Oral)
LD50 dermal rat > 5000 mg/kg (Rat, Dermal)
ATE US (oral) 3810 mg/kg body weight

PHENYLETHYL ALCOHOL (60-12-8)
LD50 oral rat > 1790 mg/kg (Rat, Oral)
LD50 dermal rabbit > 808 mg/kg (Rabbit, Dermal)
LC50 inhalation (mg/l) > 1.4 mg/l (4 h, Inhalation)
ATE US (oral) 500 mg/kg body weight

Skin corrosion/irritation
Irritating to skin.

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory or skin sensitization
May cause an allergic skin reaction

Germ cell mutagenicity
Not classified

Carcinogenicity
Not classified

Reproductive toxicity
Suspected of damaging fertility or the unborn child

STOT-single exposure
Not classified

STOT-repeated exposure
Not classified

Aspiration hazard
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

Toxicity
CITRONELLOL (106-22-9)
LC50 fish 1 10 - 22 mg/l (96 h, Leuciscus idus)
EC50 Daphnia 1 17 mg/l (48 h, Daphnia magna)

BENZYL BENZOATE (120-51-4)
LC50 fish 1 2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1 3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

LINALYL ACETATE (115-95-7)
LC50 fish 1 11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio)
EC50 Daphnia 1 15 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)

GERANYL ACETATE (105-87-3)
LC50 fish 1 68.12 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Read-across)
EC50 Daphnia 1 14.1 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)
LC50 fish 1 2.04 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Flow-through system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1 10.7 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

LINALOOL (78-70-6)
EC50 Daphnia 1 59 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
EC50 other aquatic organisms 1 >= 100 mg/l (3 h; Activated sludge)
LC50 fish 2 27.8 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri)
Threshold limit algae 1 88.3 mg/l (EC50; 96 h)

PHENYLETHYL ALCOHOL (60-12-8)
LC50 fish 1 220 - 260 mg/l (96 h, Leuciscus idus)
EC50 Daphnia 1 287.17 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)

Persistence and degradability
CITRONELLOL (106-22-9)
Persistence and degradability Readily biodegradable in water.
Chemical oxygen demand (COD) 2.05 g O_2 /g substance
ThOD 2.961 g O_2 /g substance

BENZYL BENZOATE (120-51-4)
Persistence and degradability Readily biodegradable in water.

LINALYL ACETATE (115-95-7)
Persistence and degradability Readily biodegradable in water.

GERANYL ACETATE (105-87-3)
Persistence and degradability Readily biodegradable in water.
ThOD 2.6 g O_2 /g substance

HYDROXYCITRONELLAL (107-75-5)
Persistence and degradability Readily biodegradable in water.
Chemical oxygen demand (COD) 2.65 g O_2 /g substance

p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)
Persistence and degradability Readily biodegradable in water

LINALOOL (78-70-6)
Persistence and degradability Readily biodegradable in water.
Biochemical oxygen demand (BOD) 1.531 g O_2 /g substance
Chemical oxygen demand (COD) 2.808 g O_2 /g substance

2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)
Persistence and degradability Biodegradability in water: no data available.

PHENYLETHYL ALCOHOL (60-12-8)

Persistence and degradability Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD) 1.45 g O_2 /g substance
Chemical oxygen demand (COD) 2.5 g O_2 /g substance
ThOD 2.6 g O_2 /g substance
BOD (% of ThOD) 0.558

Bioaccumulative potential
CITRONELLOL (106-22-9)
Log Pow 3.41 - 3.91

BENZYL BENZOATE (120-51-4)
BCF fish 1 2.286 (BCFBAF v3.00, Pisces, QSAR)
Log Pow 3.97 (Experimental value, 25 °C)
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

LINALYL ACETATE (115-95-7)
Log Pow 3.93 (Experimental value)
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

GERANYL ACETATE (105-87-3)
BCF other aquatic organisms 1 1500 (Estimated value)
Log Pow 4.04 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

HYDROXYCITRONELLAL (107-75-5)
Log Pow 2.11 (Estimated value)
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)
Log Pow 4.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 24 °C)
Bioaccumulative potential Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

LINALOOL (78-70-6)
Log Pow 2.84 - 3.145
Bioaccumulative potential Bioaccumable.

2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)
Bioaccumulative potential No bioaccumulation data available.

PHENYLETHYL ALCOHOL (60-12-8)
Log Pow 1.38 (Experimental value)
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

Mobility in soil
BENZYL BENZOATE (120-51-4)
Surface tension 0.027 N/m (210 °C)
Log Koc 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil Low potential for mobility in soil.

LINALYL ACETATE (115-95-7)
Ecology - soil Adsorbs into the soil.

GERANYL ACETATE (105-87-3)

Log Koc 3.06 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil Low potential for mobility in soil.

p-t-Butyl-α-methylhydrocinnamic aldehyde (80-54-6)
Log Koc 3.11 (log Koc, PCKOCWIN v1.66, Calculated value)
Ecology - soil Low potential for mobility in soil.

Other adverse effects
Avoid release to the environment.

SECTION 13: Disposal considerations

Disposal of the product
Dispose of contents/container in accordance with licensed collector's sorting instructions as well as local, state, federal and/or international regulations.

Disposal of contaminated packaging
Dispose of as unused product, following federal, state, and local regulations.

Waste treatment
Waste packaging should be recycled or reused whenever possible. If recycling is not feasible, contaminated packaging should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region.

Sewage disposal
Avoid release into sewers or other public water ways.

SECTION 14: Transport information

DOT (US)
Not applicable

IMDG
Not applicable

IATA
Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Toxic Substances Control Act (TSCA) Inventory
All components are listed on the United States Toxic Substances Control Act (TSCA) inventory.

Canadian Domestic Substances List (DSL)
All components are listed on the Canadian Domestic Substances List (DSL).

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Pennsylvania Right To Know Components
2-(4-tert-Butylbenzyl)propionaldehyde
CAS-No. 80-54-6

Phenethyl alcohol
CAS-No. 60-12-8

Hydroxycitronellal
CAS-No. 107-75-5

Linalyl acetate
CAS-No. 115-95-7

Linalool
CAS-No. 78-70-6

New Jersey Right To Know Components
2-(4-tert-Butylbenzyl)propionaldehyde
CAS-No. 80-54-6

Phenethyl alcohol
CAS-No. 60-12-8

Hydroxycitronellal
CAS-No. 107-75-5

Linalyl acetate
CAS-No. 115-95-7

Linalool
CAS-No. 78-70-6

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SECTION 16: Other information

SDS Version: 1.0
Revision Date: 01/18/2019

16.1 Further information/disclaimer
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Bulk Apothecary be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Bulk Apothecary has been advised of the possibility of such damages.