

SAFETY DATA SHEET

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.

Vetiver Seagrass Ultrasonic Diffuser Oil

Version 1.0

Issue Date 7/13/21

Precautionary statements	:	Prevention:	
		P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
		P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
		P264	Wash skin thoroughly after handling.
		P272	Contaminated work clothing must not be allowed out of the workplace.
		P280	Wear protective gloves/ eye protection/ face 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.
		P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
		P337 + P313	If eye irritation persists: Get medical advice/ attention.
		P362	Take off contaminated clothing and wash before reuse.
		P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
		Storage:	
		P403 + P235	Store in a well-ventilated place. Keep cool.
		Disposal:	
		P501	Dispose of contents/ container to an approved waste disposal plant.

Hazards not Otherwise Classified. : None

Please note: Mixtures have not been tested for health hazards. The health hazard information presented is provided in accordance with US 29 CFR 1910.1200 and is based on the testing of individual components which have been shown to cause or may cause these health effects when tested at higher concentrations or at full strength.

Ingredients with unknown acute toxicity.:

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: **0 %**

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Hazardous components

Component	CAS-No.	Concentration [%]
2,6-dimethyl-7-octen-2-ol	18479-58-8	1.00 - 10.00
1-[(2-tert-butyl)cyclohexyloxy]-2-butanol	139504-68-0	1.00 - 10.00
(R)-1-methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	1.00 - 10.00
Benzoic acid, phenyl methyl ester	120-51-4	1.00 - 10.00
3,7-dimethyl-1,6-octadien-3-ol (= Linalool)	78-70-6	1.00 - 10.00
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol (main component)	28219-61-6	1.00 - 10.00
Mandarin orange, extract	8008-31-9	1.00 - 10.00
Aromatic esters		1.00 - 10.00
Bergamot, extract	8007-75-8	1.00 - 10.00
(E)-2-(3,5-dimethylhex-3-en-2-yloxy)-2-methylpropylcyclopropanecarboxylate	676532-44-8	1.00 - 10.00
Aliphatic esters		0.10 - 1.00
Lime oil distilled	8008-26-2	0.10 - 1.00

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

First aid measures

Description of first aid measures

- General advice : Consult physician or Poison Control Center. The National Hotline for US Poison Control Centers is 1.800.222.1222; <https://www.poison.org>
- If inhaled : Get to fresh air immediately.
Consult Poison Control Center or physician if any symptoms develop.
- In case of skin contact : Rinse immediately with plenty of water for at least 15 minutes.
If skin irritation occurs, seek medical advice/attention.
Remove contaminated clothing and shoes.
Immediately seek medical attention if chemical entered ear canal.
When symptoms persist or in all cases of doubt seek medical advice.

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In case of eye contact : Remove contact lenses.
Immediately flush eyes for at least 15 minutes. Get medical attention.

If swallowed : Do NOT induce vomiting.
Immediately consult Poison Control Center or physician.

Most important symptoms and effects, both acute and delayed

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Cool closed containers exposed to fire with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.

Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : no data available

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

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Evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
In the case of vapour formation use a respirator with an approved filter.
Use personal protective equipment as required.
For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Material can create slippery conditions.

Environmental precautions

Retain and dispose of contaminated wash water.
The product should not be allowed to enter drains, water courses or the soil.
Dispose of in accordance with local regulations.
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.
Open drum carefully as content may be under pressure.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
When using do not eat, drink or smoke.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

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Further information on storage conditions : Ambient / 10-30°C (50-85°F)
Advice on common storage : Dry, well ventilated, preferably full, hermetically sealed
Protect against light.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No. :	Type:	Value :	Basis :	Revision:
(R)-1-methyl-4-(1-methylethenyl)-cyclohexene	5989-27-5	TWA	30 ppm	US WEEL	2016-08-17

Exposure Assessment: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional respiratory protection.

Engineering measures

Ventilation: Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposures limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Personal protective equipment

Protective measures : Choose PPE based on a hazard assessment, taking into account to the concentration and amount of dangerous substances, and to the specific work-place conditions.

Eye protection : Ensure that eyewash stations and safety showers are close to the workstation location.
Wear chemical splash goggles (non-vented) with faceshield.

Hand protection : Wear impervious and chemical resistant gloves suitable for this material as determined by a hazard assessment.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection : Wear protective clothing suitable for this material as determined by a hazard assessment.

Respiratory protection : Respiratory protection should be worn when workplace exposures exceed exposure limit requirements or guidelines.
If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse

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effects, including but not limited to respiratory irritation or odor, where indicated or required by the exposure assessment. Selection of air-purifying or positive-pressure supplied air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the actual or potential airborne concentrations. The type of cartridge or filter to be used must be selected and approved for the chemical, class, or classes of chemical(s) likely to be encountered in the workplace. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Remove contaminated clothing and protective equipment before entering eating areas.
Wash hands before breaks and immediately after handling the product.

See Section 16 for further information.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid
Form	: liquid
Color	: not determined
Taste	: not determined
Odor	: fruity, Green, Fern-like
Odour Threshold	: Not applicable
Flash point	: 192 °F (89 °C) Method: Calculated
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability	: Not applicable
Auto-ignition temperature	: not determined
Decomposition temperature	: no data available
pH	: not determined
Melting point	: no data available
Boiling point	: no data available
Vapor pressure	: 0.5229 hPa at 68 °F (20 °C) Calculated (99.6 %)
Density	: no data available
Bulk density	: no data available
Solubility/qualitative	: practically insoluble
Partition coefficient: n-octanol/water	: Not applicable
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Evaporation rate	: no data available

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SECTION 10. STABILITY AND REACTIVITY

Reactivity

none

Chemical stability

The product is chemically stable.

Possibility of hazardous reactions

Hazardous reactions : no data available

Conditions to avoid

Conditions to avoid : Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible materials

Materials to avoid : no data available

Hazardous decomposition products

Hazardous decomposition products : no data available

Thermal decomposition : no data available

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity

ATE : > 5,000 mg/kg

2,6-dimethyl-7-octen-2-ol : LD50: 3,600 mg/kg Species: Rat

(R)-1-methyl-4-(1-methylethenyl)-cyclohexene : LD50: 5,600 mg/kg Species: Mouse

Benzoic acid, phenyl methyl ester : LD50: 2,000 mg/kg Species: Rat

3,7-dimethyl-1,6-octadien-3-ol (= Linalool) : LD50: 2,790 mg/kg Species: Rat

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Mandarin orange, extract : LD50: > 5,000 mg/kg Species: Rat

Aromatic esters : LD50: > 5,000 mg/kg Species: Rat

Bergamot, extract : LD50: > 5,000 mg/kg Species: Rat

Aliphatic esters : LD50: 730 mg/kg Species: Rat

Lime oil distilled : LD50: > 5,000 mg/kg Species: Rat

Acute inhalation toxicity

ATE : 150.03 mg/l

Acute dermal toxicity : No data is available on the product itself.

Acute toxicity (other routes of administration) : No data is available on the product itself.

Skin corrosion/irritation : May cause skin irritation and/or dermatitis.
May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation : Vapours may cause irritation to the eyes, respiratory system and the skin.

Respiratory or skin sensitisation : Causes sensitisation.

Mutagenicity : No data is available on the product itself.

Reproductive toxicity : No data is available on the product itself.

Teratogenicity : No data is available on the product itself.

Carcinogenicity:

IARC : Remarks : No component of this product present at levels greater than or equal to 0.1% is identified as probable,

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possible or confirmed human carcinogen by IARC.

OSHA : Remarks : No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP : Remarks : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure : No data is available on the product itself.

STOT - repeated exposure : No data is available on the product itself.

Aspiration hazard : No data is available on the product itself.

Further information : no data available

Please note: Mixtures have not been tested for health hazards. The health hazard information presented is provided in accordance with US 29 CFR 1910.1200 and is based on the testing of individual components which have been shown to cause or may cause these health effects when tested at higher concentrations or at full strength.

SECTION 12. Ecological information

Ecological information is not reported.

SECTION 13. DISPOSAL CONSIDERATIONS

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.

: Dispose of in accordance with local, state and federal regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

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Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

SECTION 15. REGULATORY INFORMATION

Only relevant information is reported

SARA 311/312 Hazards. : Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization

SECTION 16. OTHER INFORMATION

Further information

**NFPA
Classification**

Health hazard: 2
Fire Hazard: 2
Reactivity Hazard: 0



Full list of Emergency response numbers worldwide.

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	Country	Phone nr		Country	Phone nr
Europe	All Europe	+44 1235 239670	APAC	All East/South East Asia	+65 3158 1074
	France	+33 1 72 11 00 03		Sri Lanka	+65 3158 1195
	Germany	+49 89 220 61012		Taiwan	+886 2 8793 3212
	Spain	+34 91 114 2520		Japan	+81 3 4578 9341
	Italy	+39 02 3604 2884		Indonesia	007 803 011 0293
	Netherlands	+31 10 713 8195		Malaysia	+60 3 6207 4347
	Turkey	+90 212 375 5231		Thailand	001 800 120 666 751
	Norway	+47 2103 4452		India	+65 3158 1198 000 800 100 7479
	Greece	+30 21 1198 3182		Pakistan	+65 3158 1329
	Portugal	+351 30880 4750		Bangladesh	+65 3158 1200
	Denmark	+45 8988 2286		Philippines	+63 2 8231 2149
	Sweden	+46 8 566 42573		Vietnam	+84 28 4458 2388
	Poland	+48 22 307 3690		Korea	+65 3158 1285
	Czech republic	+420 228 882 830		South Korea	+82 2 3479 8401
Finland	+358 9 7479 0199	Australia	+61 2 8014 4558		
Middle East/Africa	All Middle East/Africa	+44 1235 239671	New Zealand	+64 9 929 1483	
	Bahrain and Middle East	+44 1235 239671	China	+86 532 8388 9090	
	Africa/South Africa	+27 21 300 2732	Mexico	+52 55 5004 8763	
NOAM	USA and Canada	+1 866 928 0789	LATAM	Brazil	+55 11 3197 5891
	USA and Canada	+1 215 207 0061		Chile	+56 2 2582 9336
	USA and Canada	+1 202 464 2554		Colombia	+57 1 508 7337
Global	Global	+44 1865 407333	Argentina	+54 11 5984 3690	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe

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