

01. IDENTIFICATION OF THE SUBSTANCE/PREPERATION & THE COMPANY/UNDERTAKING

Product Name	: Vetiver Oil Ceylon
Biological Definition	: Essential oil of Vetiver obtained from the root of <i>Vetiveria zizaniodes</i> by steam distillation.
INCI Name	: <i>Vetiveria zizaniodes</i> oil
Synonyms & Trade Name	: Sri Lanka Vetiver Oil
Supplier	: FAIR' n ORGANIC TRADE
Reach Registration No.	: N/A
Type of substance	: UVCB
Origin	: NCS
FEMA No.	: N/A
FDA No.	: N/A
CoE No.	: N/A
CAS No.	: 8016-96-4
EC No.	: 282-490-8
EINECS No.	: 84238-29-9

02. HAZARDS IDENTIFICATION

Classification (EC 1272/2008) : Sensitization - Skin, Hazard Category 1B; H317.

Label (EC 1272/2008) : 

Signal Word : Warning

Hazard Statement : H315 Causes skin irritation.
: H317 May cause an allergic skin reaction.

Precautionary statements : H319 Causes serious eye irritation.

: P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
: P280: Wear protective gloves.
: P302+P352: IF ON SKIN: Wash with plenty of water.
: P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
: P362+P364: Take off contaminated clothing and wash it before reuse.
: P501: Dispose of contents/container to an approved waste disposal plant.



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03. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	Concentration range	CAS
Beta Vetivenene	0.50% to 5.00%	27840-40-0
Beta Vetivon	0.05% to 2.00%	18444-79-6
Khusimol	7.00% to 18.00%	16223-63-5
Iso-Valencenol	0.10% to 3.50%	22387-74-2
Alpha Vativon	1.00% to 6.00%	15764-04-2
Zizanoic acid	0.08% to 0.90%	16203-25-1

04. FIRST AID MEASURES

General Information

Inhalation : Remove person to fresh air and keep at rest.

Skin Contact : Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

Eye Contact : First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Ingestion : If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.

05. FIRE-FIGHTING MEASURES

Extinguishing Media : Carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.

Special Fire Fighting : Procedures Wear protective clothing. Avoid inhalation of vapors.

Protective Measures in Fire : Closed containers may build up pressure when exposed to heat and should be cooled with water spray. Static charges generated by emptying package in or near flammable vapor may cause flash fire. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

06. ACCIDENTAL RELEASE MEASURES

Personal Precautions : Wear appropriate gloves to prevent skin exposure. Avoid contact with skin and inhalation of its vapors or smoke. Maintain adequate ventilation in the working area after spilling.

Environmental precautions : Avoid contaminating the environment via the sewers or water sources.

Methods and material for containment and cleaning up : Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

07. HANDLING AND STORAGE

Precautions for safe handling: Keep away from food, drink and animal feeding stuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities: Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION



Protective Equipment :

Occupational exposure limits : RESPIRATORY PROTECTION: Assure a good ventilation of work place.
 HAND PROTECTION: Plastic or synthetic rubber impermeable gloves.
 EYE PROTECTION: Goggles giving complete protection to eyes. Eyewash bottle with clean water.
 SKIN AND BODY PROTECTION: Clothes for chemical protection to avoid contact.
 INGESTION: Do not eat, drink and smoke while using.
 INDUSTRIAL HYGIENE: Provide an extraction or global ventilation.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Mobile viscous liquid
Color : Brownish yellow to dark brown
Odor : Fresh specific to vetiver oil
Relative Density : 0.9860 to 0.9980 @ 20°C
Refractive Index : 1.5000 to 1.5200 @ 20°C
Optical rotation : -
Flash Point (°C) : 119 °C @ 101.3 kPa
Melting Point (°C) : 20 °C
Boiling Point (°C) : 276 °C @ 99.3 - 99.4 kPa
Vapor Pressure : 1.52 Pa @ 20 °C
Solubility in Water : 1.77 mg/L @ 20 °C and pH 7.2
Auto-ignition temperature (°C) : 300 °C @ 101.1 kPa



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10. STABILITY AND REACTIVITY

Reactivity	<p>REACTIVITY: No data available. CHEMICAL STABILITY: No data available. POSSIBILITY OF HAZARDOUS REACTION: None in normal conditions. CONDITIONS TO AVOID: Excessive heat. INCOMPATIBLE MATERIALS: Strongly oxidizing and reducing agents. HAZARDOUS DECOMPOSITION PRODUCTS: None in normal conditions. OTHERS: None</p>
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11. TOXOLOGICAL INFORMATION

Acute Toxicity	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Skin corrosion/irritation	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Serious eye damage/irritation	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Respiratory or skin sensitization	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Germ cell mutagenicity	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Carcinogenicity	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Reproductive toxicity	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-single exposure	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-repeated exposure	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Aspiration toxicity	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.



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12. ECOLOGICAL INFORMATION

Acute aquatic toxicity	: Not determined
Persistence and degradability	: Not available.
Bioconcentration Factor	: Not determined
Mobility in soil	: Not available.
Results of PBT and vPvB assessment	: Not determined
Other adverse effects	: Do not allow the material to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	: Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company. Dispose in accordance with all applicable regulations.
Hazardous waste code	: Not established.
Waste from residues / unused products	: Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADR	
UN number	: Not regulated.
UN proper shipping name	: Not restricted.
Transport hazard class(es)	: Not regulated.
Packing group	: Not regulated.
Tunnel restriction code	: Not regulated.
Environmental hazards	: Not regulated.
Labels required	: Not regulated.
IMDG UN number	: Not regulated.
UN proper shipping name	: Not restricted.
Transport hazard class(es)	: Not regulated.
Packing group	: Not regulated.
Marine Pollutant	: Not regulated.
EmS code	: Not regulated.
Labels required	: Not regulated.

UN number	: Not regulated.
UN proper shipping name	: Not restricted.
Transport hazard class(es)	: Not regulated.
Packing group	: Not regulated.
Environmental hazards	: Not regulated.
Labels required	: Not regulated.



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15. REGULATORY INFORMATION

Regulations & Directives

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA) TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

SARA 304 Emergency release notification Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA) SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Country	Nom inventories	Data's	Number
AUSTRALIA	AICS	Listed	
EUROPE	COE	Listed	479
CANADA	DSL	Listed	
TAIWAN	ECN	Listed	
JAPAN	ENCS	Listed	
JAPAN	ISHL		18999
CHINA	IESC	Listed	37047
NEW ZEALAND	NZIoC	Listed	
THE PHILIPPINES	PICCS	Listed	
USA	TSCA	Listed	



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16. OTHER INFORMATION

OTHER	<p>This material should only be used for industrial purposes.</p> <p>Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and our company assumes no liability resulting from the use of this SDS. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment and must determine suitability of this information for his application.</p>
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