

Material Safety Data Sheet

Vetiver oil

SECTION 1.1 – PRODUCT IDENTIFICATION

Product Name : Vetiver oil
Molecular Formula : Not applicable
Molecular Weight : Not applicable
CAS No. : 8016-96-4

SECTION: 1.2 COMPANY IDENTIFICATION

Company Name: Indenta Chemicals (India) Pvt. Ltd.

Address: 117, The Summit Business Bay, Opp Cinemax, Off. Sir M.V. Road, Near WEH Metro Station, Andheri (E), Mumbai 400 093, India

Telephone #: +91-22-26849600

Fax #: +91-22-26849060

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Vetiver oil	8016-96-4	100

Toxicological Data on Ingredients: No Data Available

SECTION 3: HAZARD IDENTIFICATION

Routes of Entry **Eyes** **Skin** **Inhalation** **Ingestion**

In case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

- Inflammation of the eye is characterized by redness, watering, and itching.
- Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Note:

This liquid should not be used as a fragrance ingredient at a level over 1% in a compound when skin contact is possible.

SECTION 4: FIRST AID MEASURES

If inhaled

Avoid gross inhalation of fumes. Remove to fresh air

In case of skin contact

Remove contaminated clothing. Wash with soap and flush with plenty of water. Cover affected skin with an emollient.

In case of eye contact

Remove contact lenses if applicable. Flush with plenty of water or eye wash solution for 15 minutes.

Indenta Chemicals (India) Pvt. Ltd.

Office: 117 The Summit Business Bay, Near WEH Metro Station, Opp. Cinemax Theatre, Off. Andheri Kurla Road, Andheri (E), Mumbai 400 093.
 Phone : +91-22-2684 9600 | Fax : +91-22-2684 9060 | Email: indenta@indenta.com | Website : www.indenta.com

Unit 1: Plot No. 1405, GIDC Sarigam, Dist. Valsad, Gujarat – 396155

Unit 2: Building No. 73, Gala No. 7, Indian Corporation Compound, Village Gundavli, Mankoli Naka, Bhiwandi, Thane - 421302



If swallowed

Drink water or milk to dilute and contact poison control center or seek medical attention immediately.

Serious Inhalation

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.

Note

If irritation persists seek medical attention and show the label of the container

SECTION 5: FIRE AND EXPLOSION DATA

Flammability

Non Flammable

Flash Point (Method Used)

>100Deg Close Cup

Extinguishing Media

Dry Chemical, Carbon Dioxide, Foam

Note

Do not use water jet.

Special Firefighting Procedures

Fire fighters should wear positive pressure self-contained breathing apparatus. Cool containers exposed to flame with water spray. Spray extinguishing media directly into base of fire.

Unusual Fire & Explosion Hazards

None

Hazardous Decomposition Materials

CO, CO₂, smoke and unidentified organic compounds may be formed during combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear a NOISH approved respirator. Avoid ingestion or contact with skin and eyes.

Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.

Wear eye protection, gloves and aprons. Ventilate area well.

Methods and materials for containment and cleaning up

Eliminate all sources of ignition

Ventilate area

Prevent liquid from entering sewers

Small spills can be wiped up with paper rags (place in closed metal waste container)

Large spills can be absorbed on to non-flammable absorbent.

Wash area with soap and water.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid ingestion or contact with skin and eyes.

Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.

Wear eye protection, gloves and aprons. Ventilate area well.

7.2 Conditions for safe storage, including any incompatibilities

Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Ingredients with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the air borne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Work Practice Controls

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

Respiratory

Avoid casual breathing of vapors

Ventilation

Local, mechanical exhaust in recommended

Eye

OSHA approved safety glasses

Skin

Wear chemical resistant gloves and clothing to avoid skin contact

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | |
|-------------------|---|
| a) Appearance | Form: liquid
Color: Colorless to Pale Yellow |
| b) Odor | Characteristic of vetiver |
| c) Odor Threshold | No data available |

d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid,gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	Insoluble in Water
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available
u) Specific Gravity (H ₂ O = 1)	0.986 – 1.022
v) Refractive Index	1.520 – 1.530
9.2 Other safety information	
No data available	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

This material is stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Avoid contact with sparks, flame and heat.

10.5 Incompatible materials

Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.

10.6 Hazardous decomposition products

CO, CO₂, smoke and unidentified organic compounds may be formed during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Caution

Liquid may be irritating to eyes, skin, mucous membranes.

Toxicity

N/A

Chronic Effects on Humans

Not available

Other Toxic Effects on Humans

Hazardous in case of skin contact (irritant, permeator), of inhalation.

Listed as a Carcinogen

No

SECTION 12: ECOLOGICAL INFORMATION

No information. This is a complex mixture there for which no environmental criteria available.

SECTION 13: DISPOSAL CONSIDERATION

Waste treatment methods

There should be no product residues. Dispose according to local, state and Federal regulations.

Precautions

Prevent surface contamination of soil, ground and surface water.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

SECTION 15: OTHER REGULATORY INFORMATION

R phrases

R38 Irritating to skin
R36 Irritating to eyes
R43 May cause sensitization by skin contact.

Safety Phrases

S7	Keep container tightly closed.
S16	Keep away from source of ignition
S24/25	Avoid contact with skin and eyes.
FDA no	182.2
FEMA no	N/A
HS Code	3301 29 50

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The information contained in this Certificate of Analysis and Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of Indenta Chemicals (India) Pvt. Ltd. knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any Laws or Regulation. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from Indenta Chemicals (India) Pvt. Ltd. with the clear understanding that all products must be used at the customer's own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. Indenta Chemicals (India) Pvt. Ltd. shall not be held responsible for any damages to property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As with any manufacturing process, Indenta Chemicals (India) Pvt. Ltd. strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the Indenta Chemicals (India) Pvt. Ltd. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. Nothing contained herein should be considered as a recommendation by Indenta Chemicals (India) Pvt. Ltd. as to the fitness for any use. As the ordinary or otherwise use(s) of this product is outside the control of Indenta Chemicals (India) Pvt. Ltd., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The liability of Indenta Chemicals (India) Pvt. Ltd. is limited to the value of the goods and does not include any consequential loss. Indenta Chemicals (India) Pvt. Ltd. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.