

SECTION 1: Identification

1.1. Identification

Product Name Vetiver (dark) essential oil

1.2. Recommended use and restrictions on use

Recommended Use Industry Use.
Uses advised against No information available

1.3. Supplier

Camden-Grey Essential Oils, Inc.
5751 Halifax Ave., Unit 2
Fort Myers, FL 33912
Emergency Tel. No.: Chemtrec 1-800-262-8200 // 1- 703-741-5500

1.4. Emergency telephone number

Emergency number: Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN 797608

SECTION 2: Hazard(s) identification

Skin corrosion/irritation Category 3
Skin sensitization Category 1A

Label elements

Emergency Overview

Warning

Hazard statements

Causes mild skin irritation.
May cause an allergic skin reaction.



Appearance Viscous

Physical state Liquid

Odor Characteristic Odor

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product Do not breathe dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area
Wear respiratory protection
Contaminated work clothing must not be allowed out of the workplace

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention Specific treatment is urgent (see .? on this label) Specific treatment (see.? on this label)
IF ON SKIN: Wash with plenty of water and soap
If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing Immediately call a POISON CENTER or doctor
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell Rinse mouth

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazard not otherwise classified (HNOC)

Other information

99.89% of the mixture consists of onredient(s) of unknown toxicity

SECTION 3: Composition/information on ingredients

Synonyms INCi: Vetiveria zizanoides root oil.
Chemical Family Essential oil.

Vetiver (dark) essential oil

Safety Data Sheet

Chemical nature

Essential oil.

| Chemical Name | CAS No. | Weight % |
|---------------|-----------|----------|
| VETIVER OIL | 8016-96-4 | 100 |

SECTION 4: First-aid measures

Description of first aid measures

General advice

IF exposed or concerned: Get medical advice/attention

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact

IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable Extinguishing Media

Use CO₂, dry chemical, or foam.

Unsuitable extinguishing media

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and inhalation of vapors. Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions

See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Contain and collect spillage 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).

Methods for cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials

None known based on information supplied.

SECTION 8: Exposure controls/personal protection

Control parameters

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Exposure

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------|-----------------|--|---------------|
| Furfural 98-01-1 | TWA: 2ppm S* | TWA: 5ppm TWA: 20 mg/m ³ (vacated) TWA: 2 ppm (vacated) TWA: 8 mg/m ³ (vacated) S* S* | IDLH: 100 ppm |

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures. such as personal protective equipment

Eye/Face Protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin and Body Protection Avoid contact with skin. Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. Ensure adequate ventilation, especially in confined areas.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. When using do not eat, drink or smoke. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended. Avoid breathing (dust, vapor, mist, gas).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | | |
|-------------------------------|----------------------------|-----------------------|---------------------|
| Physical state | Liquid | Odor | Characteristic Odor |
| Appearance | Viscous | Odor Threshold | Not applicable |
| Color | Brown-Yellow to Dark Brown | | |
| Property | Values | Remarks | Method |
| pH | Not applicable | | |
| Melting point/ freezing point | Not applicable | | |
| Boiling point/ boiling range | No data available | | |
| Flash Point | > 93 °C / > 200 °F | | |
| Evaporation Rate | Not applicable | | |
| Flammability (solid, gas) | Not applicable | | |
| Flammability Limit in Air | | | |
| Upper flammability limit: | Not applicable | | |
| Lower flammability limit: | Not applicable | | |
| Vapor pressure | 0.01kPa | | |
| Vapor Density | Not applicable | | |
| Specific gravity | 1.000 | | |
| Water solubility | Not applicable | | |
| Solubility in other solvents | Not applicable | | |
| Partition coefficient | Not applicable | | |
| Autoignition Temperature | Not applicable | | |
| Decomposition temperature | Not applicable | | |
| Kinematic viscosity | No data available | | |
| Dynamic viscosity | Not applicable | | |
| Explosive properties | Not applicable | | |
| Oxidizing properties | Not applicable | | |

9.2. Other information

| | |
|------------------|----------------|
| Softening point | Not applicable |
| Molecular weight | Not applicable |
| VOE content(%) | Not applicable |
| Density | Not applicable |
| Bulk Density | Not applicable |

SECTION 10: Stability and reactivity

10.1. Reactivity

Not applicable

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10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

| | |
|---------------------|--|
| Inhalation | Avoid breathing vapors or mists. |
| Eye Contact | Avoid contact with eyes |
| Skin contact | Avoid contact with skin. Causes mild skin irritation. May cause an allergic skin reaction. |
| Ingestion | No data available. |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|-------------------------------|---|
| Irritation | Causes mild skin irritation. |
| Sensitization | May cause sensitization by skin contact. |
| Germ cell mutagenicity | Not classified. |
| Carcinogenicity | The table below indicates whether each a enc has listed an ingredient as a carcinogen |

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------------|-------|---------|-----|------|
| Furfural 98-01-1 | A3 | Group 3 | | |

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3

Not classifiable as a human carcinogen

Reproductive toxicity This product does not contain any known or suspected reproductive hazards above the threshold value.

STOT - single exposure Not classified

STOT - repeated exposure Not classified

Aspiration hazard Not classified

Numerical measures of toxicity - Product Information

Unknown acute toxicity 99.89 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

SECTION 12: Ecological information

Ecotoxicity

No information available

98.8 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

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No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal of wastes
Contaminated packaging
US EPA Waste Number

Disposal should be in accordance with applicable regional, national and local laws and regulations.
Do not reuse container.
U125
K060

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|-----------------------|------|-----------------------------------|------------------------|------------------------|
| Isoeugenol 97-54-1 | | Included in waste stream: K060 | | |
| Furfural 98-01-1 | | | | U125 |

SECTION 14: Transport information

DOT Not regulated

SECTION 15: Regulatory information

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Furfural 98-01-1 | 50001b | | | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantities RQ |
|---------------------|--------------------------|----------------|--|
| Furfural 98-01-1 | 50001b | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

This product contains substances regulated by state right to know regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island |
|---------------------|------------|---------------|--------------|--------------|
| Furfural 98-01-1 | X | X | X | X |

U.S. EPA Label information

EPA Pesticide registration number Not applicable

SECTION 16: Other information

DISCLAIMER: The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Camden-Grey Essential Oils, Inc.'s control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.