

Vetivert SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Product name: **Vetivert** (*Vetiveria zizanoides/Andropogon muricatus*)

Manufacturer/supplier identification

Company: Calmer Solutions Limited
Hadresham
Woolborough Lane
Outwood
Surrey
RH1 5QR.
Telephone: +44 (0)1342 844658
Telefax: +44 (0)1737 306065

Emergency Telephone No: Please contact your local NHS Direct

2. Composition/information on main ingredients

Main ingredients: Essential oil of vetivert

CAS No USA: 84238-29-9

EC Number:

EINECS No: 282-490-8

FEMA No:

CoE No:

TSCA:

Percentage of Hydrocarbon:

Concentration: 100%

3. Hazards identification



Main hazards:	Flammable
Health effect - eyes:	Irritating to eyes
Health effect - skin:	Prolonged contact may cause dermatitis.
Health effect - ingestion:	A large dose may cause irritation of mouth, throat and digestive tract. May cause lung damage if swallowed
Health effect – inhalation	May cause irritation to the lungs

4. First aid measures

First aid - eyes:

Immediately flood the eye with plenty of water for at least 10 minutes holding eye open. OBTAIN MEDICAL ATTENTION.

First aid - skin:

Wash skin thoroughly with soap and water. Contaminated clothing should be washed before re-use. OBTAIN MEDICAL ATTENTION.

First aid - ingestion:

Immediately wash out mouth with water. Keep warm and at rest. Do not induce vomiting. OBTAIN MEDICAL ATTENTION.

First aid - inhalation:

Remove from exposure. If breathing is difficult give oxygen.

Advice to physicians - Treat symptomatically

5. Fire fighting measures

Suitable extinguishing media: Use carbon dioxide, foam or dry powder.

Unsuitable extinguishing media: Great care should be taken if using a water jet.

Special hazards of product: This product may give rise to hazardous fumes in fire.

Protective equipment for fire fighting: If fire severe wear self contained breathing apparatus.

6. Accidental release measures:

Personal protection:

Wear appropriate protective clothing.

Environmental precautions:

Prevent the material from entering drains or water courses. Advise Authorities if such spillage does occur.

Spillage:

Contain spillage using earth, sand or other inert absorbent material.

7. Handling and storage

Handling:

Keep container tightly closed when not in use. Use only in well ventilated area.

Storage:

Suitable storage is stainless steel, glass and aluminium. Store in a cool dry dark place, ideally below 0°C.

8. Exposure controls/personal protection

As appropriate to quantity handled

Respirator: Not normally required

Hand protection: PVC or rubber gloves

Body protection: If danger of splashing wear PVC or rubber apron

Eye Protection: Chemical goggles must be worn during handling

Engineering control measures:

Engineering methods to prevent or control exposure are preferred. Methods include personnel segregation, mechanical ventilators and control of process conditions.

9. *Physical and chemical properties*

Form: Viscous liquid
Colour: Light to dark brown
Odour: Characteristic sweet, woody.

Boiling temperature: No Data
Density (kg/m³): No Data
Optical Rotation:
Vapour pressure: No Data
- Density: No Data
Solubility in water: Completely insoluble

Flash point: 110°C (Closed cup)
Explosion limits: lower: Unknown
upper: Unknown
Ignition temperature: Unknown

10. *Stability and reactivity*

Stability: Stable under normal conditions

Incompatibility: Avoid contact or contamination with strong acids, alkalis or oxidising agents.

Hazardous Combustion & Decomposition: Combustion will lead to oxides of carbon.

11. *Toxicological information*

Acute toxicity: LD50 Oral/Rat: >5000, LD50 Dermal/Rabbit: >5000

12. *Ecological information*

Mobility: No part of this product will dissolve rapidly in water

Bioaccumulation: Product not expected to bioaccumulate

Exotoxicity: No Data

13. Disposal considerations

Product disposal: Dispose of in accordance with all applicable local and national regulations.

Container disposal: Labels should not be removed from containers until they have been cleaned. Contaminated containers should not be treated as household waste. Containers should be cleaned using appropriate methods and then re-used (re-cycled) or disposed of by landfill or incineration as appropriate.

14. Transport information

Description: Flammable liquids n.o.s.

UN-No.: RID:

Class: Packing Group:

15. Regulatory information

Labelling according to EC directives

Material Safety Data Sheet Calmer Solutions Limited

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>



Material Safety Data Sheet Calmer Solutions Limited

<input type="checkbox"/>
<input type="checkbox"/>

R-phrases:
(Risk)

S-phrases:
(Safety)

Einecs Listing: All components are either Einecs listed or classified as polymers

16. *Other information*

The information and recommendations contained in this data sheet are believed to be accurate and represent the best information currently available to us. No warranty, guarantee or representation is made by Calmer Solutions Limited as to the correctness or sufficiency of the information and recommendations in this data sheet, nor can it be assumed that all possible safety measures are contained in this data sheet or that additional measures may not be required under varying conditions and circumstances.

Revision No.: 1
Revision Date: Monday, 16 March 2009
Date of Print: Friday, 20 March 2009

Please ensure that this Safety Data Sheet is passed to the appropriate person(s) in your company, who is (are) capable of acting on the information.

