



NHR ORGANIC OILS

24 CHATHAM PLACE, BRIGHTON BN1 3TN (UK)
 TEL.(UK) 0845 310 8066 FAX.(UK) 0845 310 8068
 International Tel. +44 1273 746505 Int. Fax. +44 1273 202729
 EMAIL: info@nhrorganiccoils.com Web Site: www.nhrorganiccoils.com

Material Safety Data Sheet
ORGANIC VETIVERT - Madagascar
Vetiveria zizanioides
ESSENTIAL OIL

Info	Identification
FEMA No	
CAS No.	8016-96-4
Chemical Name	
Health	Slightly hazardous.
Flammability	Will ignite if overheated.
Reactivity	Stable and not reactive with water.
Info	Fire, Explosion & Reactivity
Flash Point	230 F
Extinguishing Media	FOG-Yes CO2-Yes FOAM-Yes DRY-Yes
Dot Classification	
Stability	STABLE
NFPA Classification	
Fire Fighting	use self contained breathing apparatus and protective clothing
Unusual Fire Hazard	none known
Hazardous Combustible Decomposition Products	burning produces carbon monoxide and carbon dioxide
Info	Physical Data
Colour & Odour	Light to deep brownish liquid / earthy pungent aromatic odour
Boiling Point	230 F
Melting Point	N/A

Vapour Pressure	LIGHTER THAN WATER
Vapour Density	HEAVIER THAN AIR
Water Solubility	N/A
Info	Protection Data
Respiratory	Not required but avoid breathing vapour unnecessarily
Ventilation	Provide sufficient mechanical (general and/or local exhaust) ventilation to minimize exposure
Skin	Wear chemically resistant gloves
Eye	Use face shield or safety glasses
Other	none
Info	Occupational Exposure Limit
Threshold Limit	NONE
OSHA Permissible Limit	NONE
Carcinogen	NOT A CARCINOGEN OR POTENTIAL CARCINOGEN
NTP Limit	NO
IARC Limit	NO
OSHA Limit	NO
Carcinogen Notes	none
Info	Health Hazards
Material Type	NATURAL ESSENTIAL OIL
Health Hazard	LIQUID MAY IRRITATE EYES-LIQUID MAY IRRITATE SKIN
Primary Entry Routes	INHALATION-SKIN
Health Hazard Notes	none
Info	Emergency First Aid
Inhalation	TRY TO AVOID AS MUCH AS POSSIBLE UNLESS IT IS NECESSARY
Eye Contact	USE FACE SHIELD OR SAFETY GLASSES
Skin Contact	WEAR CHEMICALLY RESISTANT PROTECTIVE GLOVES
Ingestion	PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MINIMIZE EXPOSURE
First Aid Notes	Inhalation exposure: Remove to fresh air. Seek medical attention eye contact: Flush with copious amounts of water for 15 minutes skin contact: Remove contaminated clothing. Wash affected areas swallowing: Drink water or milk to dilute, seek medical attention
Info	Spill, Leakage & Disposal Procedures

Spill Procedures	ELIMATE SOURCES OF IGNITION. WIPE SMALL SPILLS WITH CLOTH, ABSORB LARGER SPILLS WITH SAND, SAWDUST OR SIMILAR POROUS MATERIALS
Waste Disposal	FOLLOW LOCAL GUIDELINES FOR PROPER WASTE DISPOSAL
Info	Handling & Shipping Procedures
Handling & Shipping Procedures	Handle in accordance with good industrial hygiene and safety practices. These include avoiding unnecessary exposure and handling. Also store in full tight containers away from heat, light and sources of ignition.
Info	SARA 313 Chemical Breakdown
SARA Chemical Name	NONE
SARA Concentration	NONE