



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE	A0162
PRODUCT NAME	VETIVERT OIL
SUPPLIER	Shanghai M & U International Trade Co., Ltd. Rm 1717, No 598 North NuJiang Road 200333 Shanghai, China +86-21-32515501 32515502 sales@mu-intel.com

FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)

2. HAZARD IDENTIFICATION:

Carcinogenicity

NTP	NO
OSHA	NO
IARC MONOGRAPH	NO
OSHA PEL	NOT ESTABLISHED
ACGIH TLV	NOT ESTABLISHED

Acute Toxicity Data

ORAL LD50	NOT ESTABLISHED
DERMAL LD50	NOT ESTABLISHED
INHALATION LC50	NOT ESTABLISHED

Health Hazards (Acute and Chronic)

Skin Contact	MAY CAUSE IRRITATION
Inhalation	NOT ESTABLISHED
Eye Contact	MAY CAUSE IRRITATION
Ingestion	NOT ESTABLISHED

Other Effects

The health hazard information is based on laboratory animal test data for the individual components of this product in their pure form as provided under 29 CFR 1910.1200 (d)(5)(ii). The user should consider the relevancy of this information in a manner consistent with its particular purpose

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

SYNONYM	VETIVER OIL
Formula	N/A
CAS-No	EC-No
8016-96-4	N/A

4. FIRST-AID GUIDE:

Eyes

IMMEDIATELY FLUSH EYES WITH LARGE QUANTITIES OF COLD CLEAN WATER FOR AT LEAST 15 MINUTES
CALL A PHYSICIAN IMMEDIATELY

Skin

WASH WITH SOAP AND WATER. FLUSH WITH LARGE QUANTITIES OF WATER
IF IRRITATION PERSISTS CALL A PHYSICIAN

Inhalation

REMOVE TO FRESH AIR
CALL A PHYSICIAN IF NECESSARY

Ingestion

ADMINISTER WATER OR MILK TO DILUTE
CONTACT A PHYSICIAN OR
LOCAL POISON CONTROL CENTER IMMEDIATELY
DO NOT INDUCE VOMITING

5. FIRE-FIGHTING GUIDE:

Flash Point (°F) 200+

Method Used CC

Extinguishing Media

Carbon Dioxide; Dry Chemical; Universal Type Foam

Special Fire Fighting Procedures

Evacuate unprotected and untrained personnel. Trained firefighting personnel should be equipped with self-contained breathing apparatus and full protective gear

Unusual Fire, Explosion and Stability Hazards

SEALED CONTAINERS MAY BUILD UP PRESSURE AT HIGH TEMPERATURES. IF POSSIBLE, KEEP CONTAINERS COOL WITH WATER SPRAY. CARBON DIOXIDE AND CARBON MONOXIDE PRODUCED UPON COMBUSTION

6. ACCIDENTAL RELEASE GUIDE:

REMOVE ANY SOURCES OF FLAME OR SPARKS. IF IN A CONFINED AREA NIOSH APPROVED RESPIRATORY PROTECTION MAY BE REQUIRED. ABSORB SPILLS ON VERMICULITE OR OTHER SUITABLE ABSORBENT MATERIAL AND REMOVE TO AN APPROVED DISPOSAL CONTAINER

7. HANDLING AND STORAGE:

IT IS RECOMMENDED THAT THIS MATERIAL BE STORED IN TIGHT FULL

CONTAINERS IN A COOL, DRY PLACE AWAY FROM LIGHT

8. EXPOSURE AND PERSONAL PROTECTION:

Eyes

IN GENERAL, THE USE OF SAFETY GLASSES IS RECOMMENDED. IF THE MATERIAL IS TO BE HANDLED IN A MANNER WHERE SPLASHING MAY OCCUR, THE USE OF SPLASH GOGGLES OR FACE SHIELD IS RECOMMEND

Respiratory

IN WELL VENTILATED AREAS RESPIRATORY PROTECTION IS NOT NORMALLY REQUIRED. IN CONFINED, POORLY VENTILATED AREAS THE USE OF NIOSH-APPROVED RESPIRATORY PROTECTION MAYBE REQUIRED OR IF MATERIAL IS RATED TOXIC BY INHALATION

Equipment and Apparel

THE USE OF CHEMICAL RESISTANT GLOVES IS RECOMMENDED. ACCEPTABLE INDUSTRIAL HYGIENE PRACTICES SHOULD BE MAINTAINED, LIMIT EXPOSURE TO PRODUCT WHENEVER POSSIBLE. WASH AFTER ANY CONTACT. THOROUGHLY WASH ANY CONTAMINATED CLOTHING OR SHOES

Ventilation

VENTILATION MEETING ACGIH STANDARDS SHOULD BE EMPLOYED

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State	LIQUID
% Volatile	N/A
Odor	SWEET, EARTHY, WOODY
Melting Point (°C)	N/A
Color	YELLOWISH BROWN TO REDDISH BROWN
Vapor Density (Air = 1)	N/A
Solubility in Water	INSOULBLE
Refractive Index @ 20C	1.520
Boiling Point (oC)	130
Water Content	N/A
Vapor Pressure (mm Hg @ 20oC)	N / A
Alcohol Content	N / A
Specific Gravity @ 25C (H2O=1.0)	0.990

10. STABILITY AND REACTIVITY:

This material presents no significant hazard

Hazardous Polymerization will not occur and it will not react violently with water

Contact with highly reactive chemical oxidants should be avoided

If burned this product will produce carbon monoxide and/or carbon dioxide

11. DISPOSAL RECOMMENDATIONS:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

12. TRANSPORTATION INFORMATION:

DOT (US)

Not dangerous goods.

IMDG

Not dangerous goods

IATA

Not dangerous goods

13. REGULATORY INFORMATION:

US FEDERAL

HMIS III

PHYSICAL HAZARD 0

HEALTH 1

FLAMMABILITY 1

REACTIVITY 0

PERSONAL PROTECTION X

TSCA

CAS# 8016-96-4 IS LISTED ON THE TSCA INVENTORY

HEALTH & SAFETY REPORTING LIST

NONE OF THE CHEMICALS ARE ON THE HEALTH & SAFETY REPORTING LIST

CHEMICAL TEST RULES

NONE OF THE CHEMICALS IN THIS PRODUCT ARE UNDER A CHEMICAL TEST RULE

SECTION 12B

NONE OF THE CHEMICALS ARE LISTED UNDER TSCA SECTION 12B

TSCA SIGNIFICANT NEW USE RULE

NONE OF THE CHEMICALS IN THIS MATERIAL HAVE A SNUR UNDER TSCA.

CERCLA HAZARDOUS SUBSTANCES AND CORRESPONDING RQS

NONE OF THE CHEMICALS IN THIS MATERIAL HAVE AN RQ

14. OTHER INFORMATION:

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