

M A T E R I A L S A F E T Y D A T A S H E E T

VIGON INTERNATIONAL INC.
AIRPORT ROAD
EAST STROUDSBURG, PA 18301

/ HMIS HAZARD
/ CLASSIFICATION
/
/ HEALTH = 1
/ FLAMMABILITY = 1
/ REACTIVITY = 0

FOR CHEMICAL EMERGENCY DURING TRANSPORTATION ONLY

CALL CALL INFOTRAC 1-800-535-5053 Acct# 78928 WITHIN THE U.S.A.
CALL INFOTRAC 1-352-323-3500 FOR INTERNATIONAL SHIPMENTS WITHIN THE
U.S.A.

CALL INFOTRAC 352-323-3500 FOR INTERNATIONAL SHIPMENTS

24 HRS PER DAY, 7 DAYS PER WEEK

I. PRODUCT IDENTIFICATION

ITEM#: C-000054

PRODUCT NAME: CLEARWOOD

CAS #: 84238-39-1

FORMULA: EXTRACT

II. COMPOSITION OR INFORMATION ON INGREDIENTS

Product and/or component(s) carcinogenic at 0.1% or greater according
to OSHA, IARC, NTP, or Other: NO

III. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS...

PRIMARY ROUTES OF EXPOSURE: Eyes, Skin

EFFECTS OF EXPOSURE: May be irritating to the skin and eyes.

Prolonged contact, as with clothing wetted with material, may cause
more severe irritation and discomfort. Vapors or mist, in excess of
permissible concentration, or in unusually high concentration
generated from spraying, heating the material or as from exposure in
poorly ventilated areas or confined spaces, may cause irritation of
the throat and nose, headache, nausea and drowsiness.

IV. EMERGENCY AND FIRST AID PROCEDURES

INHALATION EXPOSURE: If headache, irritation, nausea, or drowsiness occurs, remove to fresh air and call a physician.

EYE CONTACT: Remove contact lenses. Flush eyes with cool water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eyes and lids. Call a physician.

SKIN CONTACT: Remove contaminated clothing. Wash skin with mild soap and water. If irritation or any other symptoms occur, call a physician.

INGESTION: If patient is conscious and can swallow, administer water and call a physician or poison control center immediately. Do not induce vomiting.

OTHER INSTRUCTIONS: None.

V. FIREFIGHTING MEASURES

FLASH POINT (CC, F): >200

RECOMMENDED FIRE EXTINGUISHING MEDIA: Carbon-dioxide, foam, or dry chemicals.

RECOMMENDED PROTECTIVE EQUIPMENT FOR FIREFIGHTERS AND SPECIAL PROCEDURES: Use of self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires.

Protective clothing is recommended. Prevent contact with skin and eyes.

Cool fire exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid. Avoid heat, sparks, and open flames.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, fumes.

HAZARDOUS POLYMERIZATIONS: None occurs.

VI. ACCIDENTAL RELEASE MEASURES

PROCEDURES IN CASE OF ACCIDENTAL RELEASE, BREAKAGE, OR LEAKAGE:

Ventilate area. Avoid breathing vapor. Avoid contact with skin, eyes and clothing. Pressure demand air supplied respirators should always be worn when the airborne concentration of the contaminant or oxygen is unknown. Otherwise, wear NIOSH approved respiratory protection and other personal protective equipment as appropriate for the potential exposure hazard. Remove any sources of flame or sparks. Contain spill if possible. Absorb spill with vermiculite or other suitable absorbant material. Shovel up material and place in approved disposal container. Dispose of in accordance with current local, state, and federal laws and regulations.

VII. HANDLING AND STORAGE INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid breathing vapors. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

STORAGE: Keep tightly closed. Store in cool dry place.

VIII. EXPOSURE CONTROLS AND PROTECTION INFORMATION

THRESHOLD LIMIT VALUE (TLV): Not established.

OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): Not established.

RESPIRATORY PROTECTION: Usually not required.

VENTILATION: Mechanical (General) - meeting ACGIH standards.

PROTECTIVE GLOVES: Rubber gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: It is a colorless to yellow liquid.

ODOR DESCRIPTION: Characteristic odor.

BOILING POINT: Not applicable

VAPOR PRESSURE (mm Hg @ 20° C): <0.1

VAPOR DENSITY (AIR = 1): Not found

SPECIFIC GRAVITY @ 25 C (WATER = 1): 0.96

SOLUBILITY IN WATER: Soluble

X. STABILITY AND REACTIVITY

CONDITIONS/MATERIALS TO AVOID: Normally stable under proper conditions.

Avoid excessive heat, open flames, or other sources of ignition.

Avoid

contact with strong acids, alkalies, and/or oxidizing agents.

XI. TOXICOLOGICAL INFORMATION

In vitro gene mutation study in bacteria - Ames test (OECD 471) Not mutagenic

Toxicological information from Read-across from 84238-39-1 Patchouli, ext.

Toxicity to reproduction - screening (OECD 421) NOAEL = 277 mg/kg bw/day

Repeated dose toxicity (28 days) (OECD 407) NOAEL = 977 mg/kg bw/day

Acute dermal Toxicity Limit test LD50 > 5000 mg/kg bw

Acute oral Toxicity Limit test LD50 > 5000 mg/kg bw

In vitro gene mutation study in bacteria - Ames test (OECD 471) Not mutagenic

In vitro cytogenicity study in mammalian cell (OECD 473) Not clastogenic

Eye irritation (in vitro) (OECD 437) Not an ocular corrosive or severe irritant

Skin irritation (in vivo) (EU Method B4) Not irritating

Sensitisation - human (HRIPT) Not a skin sensitizer (2%)

Eye irritation (in vivo) (Similar to OECD 405) Not irritating

In vitro genotoxicity in mammalian cell (OECD 476) Not mutagenic

XII. ECOLOGICAL INFORMATION

Ecotoxicological: Toxicological information from Read-across from 84238-39-1 Patchouli, ext.

Ready biodegradation (OECD 301F) Readily biodegradable

Short-term toxicity testing on invertebrates (OECD 202) 48h LL50 = 21 mg/L

Short-term toxicity testing on fish (OECD 203) 96h LL50 = 5.7 mg/L

Growth inhibition study aquatic plants (algae) (OECD 201) 72h ErL50 = 73 mg/L

XIII. DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

XIV. TRANSPORTATION INFORMATION

TRANSPORTATION BY GROUND(NONBULK PACKAGING) OR AIR: NOT REGULATED
TRANSPORTATION BY GROUND(BULK PACKAGING) OR VESSEL....
PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.,
(SUGAR DERIVED PATCHOULI TYPE OIL)
HAZARD CLASS: 9
IDENTIFICATION NUMBER: UN3082
PACKING GROUP: III
PRIMARY LABEL REQUIRED: CLASS 9
PRIMARY PLACARD REQUIRED: CLASS 9
TRANSPORTATION BY GROUND(BULK PACKAGING) OR VESSEL: MUST BE LABELED AS
MARINE POLLUTANT
SEGREGATION: Usual precautions for combustible liquids.

XV. REGULATORY INFORMATION

This substance contains no materials subject to the reporting
requirements
of SARA TITLE III SECTION 313.

XVI. OTHER INFORMATION

Containers should be either reconditioned by CERTIFIED firms or
properly disposed of by APPROVED firms. Disposal of containers should
be in accordance with applicable laws and regulations. "Empty" drums
should not be given to individuals. Misuse of empty containers can be
hazardous. Empty containers can be hazardous if used to store toxic,
flammable, or reactive material. Cutting or welding of empty
containers may cause fire, explosion, or toxic fumes from residues.
Do not pressurize or expose to open flame or heat. Keep containers
closed and drum bungs in place.

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