

MATERIAL SAFETY DATA SHEET

Clove Bud Oil
 Date: 27 April 2009
 MSDS Revision: 03

Date created: 08/02/09

1. Identification of the substance/preparation and company

Product name : Clove Bud Essential Oil
 Company name : Soap Basics
 Company address : 23 Southbrook Road
 Melksham
 Wiltshire
 SN12 8DS
 UK
 Phone : 01225 899286
 Email : info@soapbasics.co.uk

2. Hazards identification

General : When undiluted and not properly handled, can be irritating to the skin and eyes and upon inhalation. Combustible material that can sustain a fire.
 Hazard symbol : Xi, Irritant.
 Risk phrases : R36, Irritating to the eyes.
 : R43, May cause sensitisation by skin contact.
 Environment : When spilled, can contaminate soil, ground and surface water.

3. Composition/information on ingredients

Chemical identification: EUGENIA CARYOPHYLLATA
 CAS number : 8000-34-8
 EINECS number : 284-638-7
 FEMA number : 2323

Contains	CAS/EINECS	Hazard Symbols	Conc%
(L) eugenol	97-53-0 /202-589-1	Xi; R 36-43	>50

(L) Ingredient must be disclosed on a label ("Contains _").
 (S) Ingredient must be disclosed on a label as a sensitiser ("Contains _ . May cause an allergic reaction.").

4. First-aid measures

Inhalation : Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
 Eye exposure : Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
 Skin exposure : Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
 Ingestion : Rinse mouth with water and obtain medical attention.
 Others : Take Risk and Safety phrases (section 15) into consideration.

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5.Fire-fighting measures

Extinguishing media : Carbon dioxide, dry chemical, foam.
Do not use a direct water-jet on burning material.

6.Accidental release measures

Personal precautions : Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.
Spillage : Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillage should be contained immediately by use of sand or inert powder and disposed of according to local regulations.
Environmental precautions : Keep away from drains, surface and ground water, and soil.

7.Handling and storage

Handling : Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.
Storage : Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original containers. Avoid plastic and uncoated metal containers. Keep air contact to a minimum.
Fire protection : Keep away from ignition sources and naked flame.

8.Exposure controls/personal protection

Respiratory protection : Avoid excessive inhalation of concentrated vapours.
Eye protection : Wear safety glasses.
Skin protection : Avoid skin contact. Use chemically resistant gloves as needed.

9.Physical and chemical properties

Appearance : PALE, STRAW COLOURED LIQUID
Odour : CHARACTERISTIC OF CLOVE
Flash point : 100 degC (CC)
Oxidising property : None expected.
Relative density : 1.0410 to 1.0540 @ 20 degC
Refractive index : 1.5280 to 1.5370 @ 20 degC

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10.Stability and reactivity

Reactivity : Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.
Decomposition : Carbon monoxide and unidentified organic compounds may be formed during combustion.

11.Toxicological information

This material is according to EEC Directive 67/548/EEC classified as:
Irritating to the eyes.
May cause sensitisation by skin contact.

12.Ecological information

General : This material is unlikely to accumulate in the environment and environmental problems under normal use conditions are unexpected.

13.Disposal considerations

Dispose of according to local regulations.
Avoid disposing into drainage systems and into the environment.

14.Transport information

	Class	Pack group	Sub risk	UN no	IMDG page
Road (CDGRR)	:	not restricted.			
Air (IATA)	:	not restricted.			
Sea (IMDG)	:	not restricted.			

15.Regulatory information

Classification Packaging / Labelling (Directive 1999/45/EC)
Hazard symbol : Xi, Irritant.
Contains eugenol.
Risk phrases : R36, Irritating to the eyes.
: R43, May cause sensitisation by skin contact.
Safety phrases : S24, Avoid contact with the skin.
: S26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
: S37, Wear suitable gloves.

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16. Other information

Conc % Limits (*) : XiR36=23.53% XiR43=1.18% IFRA=100.000% IFRANS=20.000%

(*) These are the maximum percent concentrations that this material can be used in a non-hazardous product without the indicated risk being applicable to that product.

The shelf life of this product is 24 months from date of manufacture.

The information in this leaflet is to the best of Soap Basics' knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.