



## MATERIAL SAFETY DATASHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

<b>1.1 Product Identifier</b>					
Product Name		Camphor			
Biological Definition		Cinnamomum Camphora Bark Oil is the volatile oil expressed from the bark of the Camphor, Cinnamomum camphora (L.), Lauraceae.			
INCI Name		<i>Cinnamomum Camphora Bark Oil</i>			
Synonyms & Trade Names		---			
CAS-No	92201-50-8 / 8022-91-1 / 8008-51-3	EC No.	295-980-1	EINECS No.	N/A
<b>1.2 Relative identified uses of the substance or mixture and uses advised against</b>					
Industrial uses. Formulation [mixing] of preparations. Uses advised against: Other uses than those recommended.					
<b>1.3 Details of the supplier of the safety data sheet</b>					
VENKATRAMNA INDUSTRIES, Talaya Chauki, Kannauj-209725, (UP) INDIA					
<b>1.4 Emergency Tel. No.</b>		+91-9554075786			

## 2. HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
Classification according to the Regulation (EC) No 1272/2008. Sensitization — Skin, Hazard Category 1; H317.	
<b>2.2 Label Elements</b>	
Signal Word	Warning
Hazard Statements	
H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 - Causes serious eye irritation. H411 - Toxic to aquatic life with long lasting effects.	
Precautionary Statements	

P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P370 + P378 - In case of fire: Use dry sodium carbonate to extinguish.  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P331 - Do NOT induce vomiting.  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical advice/attention.  
 P273 - Avoid release to the environment.

#### Supplementary Precautionary Statements

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### 2.3 Other Hazards

May be harmful if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep at rest
Ingestion	If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.
Skin Contact	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
Eye Contact	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

### 4.2 Most important symptoms and effects, both acute and delayed

Eye contact: May cause eye irritation and corneal damage if not immediately rinsed out.  
 Skin Contact: Repeated contact may cause allergic dermatitis.  
 Inhalation: Breathing high concentrations of vapor may cause anesthetic effects.  
 Ingestion: Do Not Induce vomiting.

### 4.3 Indication of any immediate medical attention and special treatment needed

No additional data available

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet

5.2	Special hazards arising from the product
	Thermal decomposition can lead to release of irritating and toxic gases and vapours. Hazardous combustion products - Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.
5.3	Advice for firefighters
	Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## 6. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
	Wear appropriate gloves to prevent skin exposure. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.
6.2	Environmental Precautions
	Avoid contaminating the environment via the sewers or water sources.
6.3	Methods and material for containment and cleaning up.
	Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.
6.4	Reference to other sections
	See also sections 8 and 13.

## 7. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	
	Keep away from food, drink and animal feeding stuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.
7.2	Conditions for safe storage, including any incompatibilities
	Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.
7.3	Specific end use(s)
	No additional data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>	
	Declaration of substances is not required
<b>8.2 Exposure controls</b>	
Protective Equipment	



Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	For high concentrations use respiratory equipment.
Hand Protection	Chemical resistant gloves (PVC)
Eye Protection	Wear approved safety goggles.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorized companies.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Clear Liquid
Colour	Colorless to pale Yellow
Odour	Characteristic
Relative Density	0.855 – 0.910g/cm <sup>3</sup> (20 °C)
Flash Point (°C)	45 °C
Refractive Index	1.425 - 1.470 (20 °C)
Melting Point (°C)	No additional data available
Boiling Point (°C)	No additional data available
Vapour Pressure	No additional data available
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available

### 9.2 Other information

No additional data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reactions known.

### 10.2 Chemical stability

Stable under normal operating conditions.

### 10.3 Possible hazardous reactions

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

### 10.4 Conditions to Avoid

Heat, flames and other sources of ignition. No special precautions other than good housekeeping of chemicals.

#### 10.5 Incompatible materials

Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.

#### 10.6 Hazardous Decomposition Products

Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

## 11. TOXOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute Toxicity	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.  12% of the mixture consists of ingredient(s) of unknown toxicity. <b>Chemical Name      Oral LD50</b> EUCALYPTOL = 2480 mg/kg (Rat) D-LIMONENE = 4400 mg/kg (Rat) > 5 g/kg (Rabbit) ALPHA-TERPINENE = 1680 mg/kg (Rat) D-3-CARENE = 4800 mg/kg (Rat) PARA-CYMENE = 3669 mg/kg (Rat)
Skin corrosion / irritation	May be irritating to skin
Serious eye damage / irritation	May be irritating to eyes. Prompt rinsing and removal of the substance will avoid damage.
Respiratory or skin sensitization	Breathing high concentrations of vapor may cause anesthetic effects.
Germ Cell Mutagenicity	Not listed as mutagenic
Carcinogenicity	Not listed as carcinogenic
Reproductive toxicity	Not listed as reprotoxic
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	Not Specified
Photo-toxicity	Not listed as photo-toxic
Other Information	No additional data available

### 11.2 Information on the likely routes of exposure

Skin/scalp contact.

### 11.3 Symptoms related to the physical, chemical, and toxicological characteristics

None known. Irritation of the eye if exposed. Redness of the skin if irritated

### 11.4 Delayed and immediate effects and chronic effects from short-term and long-term exposure

No Data Available

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

24 % of the mixture consists of components of unknown hazards to the aquatic environment.

### 12.2 Persistence & degradability

No data available
<b>12.3 Bioaccumulation Potential</b>
No data available
<b>12.4 Mobility in soil</b>
Not determined
<b>12.5 Results of PBT and vPvB Assessment</b>
No data available
<b>12.6 Other adverse effects</b>
Do not allow product to enter streams, sewers or other waterways.

## 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>
Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site. Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

## 14. TRANSPORT INFORMATION

<b>14.1 UN number</b>	
UN No. Road	2319
UN No. SEA	2319
UN No. AIR	2319
<b>14.2 UN proper shipping name</b>	
Terpenes; hydrocarbons NOS	
<b>14.3 Transport hazard class(es)</b>	
ADR/RID/ADN Not regulated for transport	
ADR/RID/ADN Class - 3 Flammable Liquid.	
IMDG Class - 3 Flammable Liquid.	
ICAO Class/Division - 3 Flammable Liquid.	
<b>14.4 Packing group</b>	
ADR/RID/ADN Packing group Not regulated for transport	
IMDG Packing group - 3	
ICAO Packing group - 3	
<b>14.5 Environmental hazards</b>	
Do not allow to escape into environment, especially not into waterways, sewers or the sea.	
<b>14.6 Special precautions for user</b>	
EMS: Not allocated	
Emergency Action Code: Not allocated	
Hazard No. (ADR): Not allocated	
Tunnel Restriction Code (E) Not assigned	
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78° and IBC Code</b>	
N/A	

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

#### EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 15.2 Chemical safety assessment

No additional information available.

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H317: May cause an allergic skin reaction. H226 - Flammable liquid and vapour. H302 - Harmful if swallowed.
Other Information	None found

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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