



## MATERIAL SAFETY DATASHEET

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

<b>1.1 Product Identifier</b>					
Product Name		Blood Orange Sicily Oil			
Biological Definition		Citrus Sinensis peel Extract is an extract obtained from the fresh epicarps of the Sweet Orange Valencia, Citrus sinensis (syn: Citrus aurantium dulcis), Rutaceae.			
INCI Name		<i>Citrus Sinensis</i>			
Synonyms & Trade Names		---			
CAS-No	97766-30-8/ 8028-48-6	EC No.	307-891-8/ 232-433-8	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	
H317: May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H411 Toxic to aquatic life with long lasting effects.	
Precautionary Statements	
P102 - Keep out of the reach of children. P261: Avoid breathing dust/fume/gas/mist/vapours/spray.	

P280: Wear protective gloves.  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P272 –Contaminated work clothing should not be allowed out of the workplace.  
 P333 + P313 –If skin irritation or rash occurs: Get medical advice/attention.  
 P264 –Wash hands thoroughly after handling.  
 P270 – Do not eat, drink, or smoke when using this product.  
 P281: Use personal protective equipment as required.  
 P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P331: Do NOT induce vomiting.  
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P370 + P378 – In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.  
 P403 + P235 – Store in well-ventilated place. Keep cool.  
 P501 – Dispose of contents/container to an approved waste disposal plant.

#### Supplementary Precautionary Statements

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### 2.3 Other Hazards

May cause skin irritation/allergy. Patch test recommended.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	%By Weight
Limonene	90
Myrcene	3
Decanal	2
Linalool	2
$\alpha$ -Pinene	1

## 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

Immediate medical assistance : see point 4.1  
 Immediate / special treatment : see point 4.1

First aid specific means: eye wash fountain, safety shower should be available in the work area.

## 5. FIRE-FIGHTING MEASURES

<b>5.1</b>	<b>Extinguishing Media</b>
	Carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet
<b>5.2</b>	<b>Special hazards arising from the product</b>
	Vapours may form explosive mixture with air – in case of fire, the following can be released: Carbon monoxide, Carbon dioxide, smoke, soot.
<b>5.3</b>	<b>Advice for firefighters</b>
	Use chemical protection clothing and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

<b>6.1</b>	<b>Personal precautions, protective equipment and emergency procedures</b>
	For non emergency personnel: in an emergency (i.e. unintentional important release of the product in enclosed space) respiratory protection (Gas filter A, Colour code brown: consider the maximum duration for wear) must be worn. Use insulating device for respiratory protection with an independent air supply in circumstances which are unclear - use adequate protections solvent resistant: security shoes, bodysuit, gloves and protective goggles (see point 8). For emergency responders: as per non emergency personnel. Emergency procedures: remove any ignition source and ensure adequate ventilation in working areas following accidental releases.
<b>6.2</b>	<b>Environmental Precautions</b>
	Avoid contaminating the environment via the sewers or water sources.
<b>6.3</b>	<b>Methods and material for containment and cleaning up.</b>
	Keep away from heat and use non-combustible absorbing sawdust (sand, specific binder). Refer to point 13 for the appropriate methods of waste treatment.
<b>6.4</b>	<b>Reference to other sections</b>
	See also sections 8 and 13.

## 7. HANDLING AND STORAGE

<b>7.1</b>	<b>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.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>
	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.
<b>7.3</b>	<b>Specific end use(s)</b>

Use as odor agent / flavoring agent - the information of this section are not related to the use of the product in combination with any other material or any other process altering its characteristics.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Declaration of substances is not required

### 8.2 Exposure controls

#### 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	Oily orange to reddish-orange liquid.
Color	Pale yellow to reddish orange
Odor	Characteristic citrusy
Relative Density	0.843 - 0.873 g/cm <sup>3</sup> (20 °C)
Flash Point (°C)	53°C
Refractive Index	1.425 - 1.470 (20 °C)
Melting Point (°C)	No additional data available
Boiling Point (°C)	No additional data available
Vapor 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

<b>10.1 Reactivity</b>	
No dangerous reactions known.	
<b>10.2 Chemical stability</b>	
Stable under normal operating conditions.	
<b>10.3 Possible hazardous reactions</b>	
Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.	
<b>10.4 Conditions to Avoid</b>	
Heat, flames and other sources of ignition. No special precautions other than good housekeeping of chemicals.	
<b>10.5 Incompatible materials</b>	
Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.	
<b>10.6 Hazardous Decomposition Products</b>	
Carbon monoxide and other unidentified organic compounds may be formed upon combustion.	

## 11. TOXOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
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
<b>11.2 Information on the likely routes of exposure</b>	
Skin/scalp contact.	
<b>11.3 Symptoms related to the physical, chemical, and toxicological characteristics</b>	
None known. Irritation of the eye if exposed. Redness of the skin if irritated	
<b>11.4 Delayed and immediate effects and chronic effects from short-term and long-term exposure</b>	
No Data Available	

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>
Dermal: LD50 (rat): > 5000 mg/kg Oral: LD50 (rat): > 5000 mg/kg Inhalation: LD50 (rat): > 5000 mg/kg
<b>12.2 Persistence &amp; degradability</b>
This substance to be considered as a readily biodegradable substance; based on its ready biodegradability, oil does not fulfil the criteria for persistence.
<b>12.3 Bioaccumulation Potential</b>
Hazard statement: H410 very toxic to aquatic life with long lasting effects.
<b>12.4 Mobility in soil</b>
This substance is considered as a readily biodegradable NCS. Based on the ready biodegradability of the NCS, simulation tests in surface water, sediment and soil are not required in accordance with column 2 of REACH Annex IX.
<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	1169
UN No. SEA	1169
UN No. AIR	1169
<b>14.2 UN proper shipping name</b>	
Extracts, aromatic, liquid	
<b>14.3 Transport hazard class(es)</b>	
ADR/RID/ADN Not regulated for transport	
ADR/RID/ADN Class - 3 IMDG Class - 3 ICAO Class/Division - 3	
<b>14.4 Packing group</b>	
ADR/RID/ADN Packing group -3 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</b>	<b>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</b>	<b>Transport in bulk according to Annex II of MARPOL 73/78° and IBC Code</b>
	N/A

## 15. REGULATORY INFORMATION

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
	<b>California Proposition 65</b> This product contains chemical(s) listed per the Safe Drinking Water and Enforcement Act of 1986. Contains: $\beta$ -Myrcene. <b>GHS Hazard Statements</b> Refer to Section 2. <b>GHS Precautionary Statements</b> Refer to Section 2.
<b>15.2</b>	<b>Chemical safety assessment</b>
	No additional information available.

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H226 flammable liquid and vapour. H410 very toxic to aquatic life with long lasting effects.
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.