

## SAFETY DATA SHEET

### 1. Product Name & Identification: **Vigo**

A Patented Plant based Bio-Stimulant for indoor and outdoor vegetables, ornamental flowers, trees, row crops, shrubs and plants, including plants grown in containers, interiorscapes, home and garden.

**Chemical Name:** Vasicine

**Chemical Class:** Bio-Stimulant

**Manufacturer:** Coromandel International Limited, Thyagavalli,  
Cuddalore – 608 801 Tamil Nadu, India

### Emergency Telephone Numbers:

**India:** +91 4142 27021 / 202

**U.S.A.:** +1 (972) 325-1227

### Registered Office:

**Coromandel International Limited**

Coromandel House, Sardar Patel Road,  
Secunderabad 500 003, Telangana, India

## 2. Hazards Identification

### 2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL and/or M-factor	Classification procedure
<i>H227, Combustible Liquid, Category 4</i> <i>H303, May be harmful if swallowed, Category 5</i> <i>H316, Causes mild skin irritation, Category 3</i>  <i>H320, Causes eye irritation, Category 2B</i> <i>H333, May be harmful if inhaled, Category 5</i>  <i>H413, May cause long lasting harmful effects aquatic life, Category 4</i>	Not applicable	<i>Flash Point &gt; 200 °C</i> <i>May cause digestive track irritation</i> <i>May cause skin irritation, low hazard for usual industrial handling</i> <i>May cause eye irritation</i> <i>Inhalation of mist or vapor may cause respiratory track irritation</i> <i>May cause mild harm to aquatic life</i>

Additional information: *Product is non-hazardous nature.*

### 2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### Hazard pictograms



GHS02

GHS07

GHS09

Signal word: *Warning*



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### Hazard statements:

H227	Combustible Liquid, Category 4
H303	May be harmful if swallowed, Category 5
H316	causes mild skin irritation, Category 3
H320	causes eye irritation, Category 2B
H333	May be harmful if inhaled, Category 5
H413	May cause long lasting harmful effects aquatic life, Category 4

### Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contacted skin and eyes thoroughly after handling
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P260	Do not breathe mist/vapors /spray.
P301+P312	IF SWALLOWED: Call a Poison center/Doctor/If you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Supplemental Hazard information: None

Special rules for supplemental label elements for certain mixtures: None

Additional labeling: None

### 2.3 Other hazards

\_Spillages during handling shall cause slippery condition.

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## 3. Ingredients

Chemical Component	Percent Range	CAS Number	OSHA-PEL	ACGIH-TLV	NT/ IARC/ OSHA	
					CARCINOGEN	OTHER
Vasicine	0.01%	6159-56-4	N/A	N/A	N/A	N/A
Other Ingredients	99.99%		N/A	N/A	N/A	N/A

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## 4. First Aid Measures

### Primary Routes of Exposure:

Inhalation, Ingestion, Skin and Eyes

### Emergency First Aid Procedure:

**If Inhaled:** No Threat

**If Ingested:** Induce vomiting by gastric lavage. Call a physician for medical advice

**If on Skin:** Take off contaminated clothing. Wash skin with plenty of soap and water. Call a physician for medical advice

**General Advice:** If poisoning occurs, contact a physician or poison information center.

**If in Eyes:** Hold eye open and rinse slowly & gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, and then continue rinsing eyes with excessive water. Call a physician for medical advice



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## 5. Fire Fighting Measures

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**NFPA hazard classification:** Health hazard: 1, Fire hazard: 0, Reactivity: 0

**Suitable Extinguishing media:** CO<sub>2</sub>, Dry Chemical, Foam

**Special Fire Fighting Procedures:** Evacuate personnel to a safe area. Wear positive-pressure breathing apparatus and full protective clothing. Fight fire from maximum distance. Stay up-wind and out of low areas.

## 6. Accidental Release Measures

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### Steps to be Taken if Material is Released or Spilled

**General:** Consult an expert on the disposal of recovered material. Ensure disposal is in compliance with government requirements and ensure conformity of local disposal regulations. Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill.

**Specific:** Evacuate personnel, thoroughly ventilate area, and use self-contained breathing apparatus and protective clothing. Dike spill. Absorb spilled material with Dri-Rite, sawdust, sand, or other adsorbent material, taking care not to generate dust. Collect clean-up material into drums, cover, and label for disposal according to local regulations. Scrub contaminated area with detergent and water. Prevent liquid from entering sewers, waterways, or low areas. Product is not regulated under RCRA or CERCLA.

## 7. Handling and Storage

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**Precautions in Handling:** Do not contaminate water, food, or feed by storage or disposal. Wash hands before eating, drinking, chewing gum, using tobacco products, or using the toilet. Remove clothing immediately if pesticide gets inside and then wash thoroughly and put on clean clothes.

**Storage:** Keep in tightly closed and original containers. Do not store this product above 105°F or below 32°F for extended periods of time. Best to keep in cool dry place and to avoid

direct sunlight. Do not re-fill or re-use containers. Dispose of containers in an approved waste facility.

## 8. Exposure Controls/Personal Protection

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### Ventilation Requirements:

Thorough ventilation is recommended in case of accidental spillage.

### Personal Protective Equipment:

Harmful if absorbed through skin or inhaled. Avoid breathing vapor. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse.

### Manufacturing and Packaging Employees:

**Eye/Face:** Wear chemical safety goggles

**Skin Protection:** Wear protect gloves

**Respiratory Protection:** Thorough ventilation is recommended in case of accidental spillage

**Additional Information:** Wash hands before eating, drinking, chewing gum, using tobacco products, or using the toilet. Remove clothing immediately if pesticide gets inside and then wash thoroughly and put on clean clothing.

**Applicators and Handlers:** Must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

## 9. Physical and Chemical Properties

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**Appearance:** Clear homogeneous viscous liquid

**Odor:** Characteristic organic odor

**Solubility in water:** 100% soluble

**Specific Gravity:** 0.95 ± 0.01 @25° C

**Active Ingredients:** Vasicine

**Acidity:** 0.1% max as H<sub>2</sub>SO<sub>4</sub>

**pH:** 7.02 at 25.1°C

**Explosibility:** Non-explosive

**Boiling point:** Not-established



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## 10. Stability and Reactivity

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**Stability:** Stable in ordinary conditions of use and storage.  
**Condition to avoid:** High temperature or sunlight or light as these may quickly degrade the material.  
**Incompatibility:** Avoid acids, alkali or oxidizing agents.  
**Decomposition/By Products:** No hazardous materials are produced.  
**Hazardous Polymerization:** Does not occur.

## 11. Toxicological Information

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**Toxicity:** Low Toxic material  
**Acute Toxicity**  
**Oral (Rat):** 5000 mg/Kg of body weight  
**Dermal (Rat):** >2000 mg/Kg of  
**Skin Irritation (Rabbit):** Weak sensitizer  
**Eye Irritation (Rabbit):** Non-Irritant  
**Long term toxicity:** None  
**Chronic Toxicity:** None

## 12. Ecological Information

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**BOD & COD:** Not available  
**Acute oral toxicity on Honeybees:** > 100 µg /bee on 48 hrs. observation  
**Effect on Earthworms:** Not available  
**Effect on Predators:** Not available  
**Effect on Soil Microflora:** Not available  
**Acute Fish Toxicity (*Poecilia reticulata*):** >100 mg/L  
**Acute Daphnia Immobilization:** Not available  
**Algal Inhibition Test:** Not available  
**Metabolism in Soil:** Not available  
**Degradability in Water:** Not available

## 13. Disposal Considerations

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Do not contaminate water, food, or feed by storage or disposal. Dispose of containers in an approved disposal facility – refer to product labeling. Open dumping is prohibited. Do not re-fill or re-use containers. Ensure compliance with Local, State, and Federal regulations. Do not flush to surface water or sanitary sewer systems.

## 14. Transportation Information

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**DOT Classification:** Not regulated  
**International Maritime Organization:** Not regulated  
**International Civil Aviation Organization:** Not regulated  
**Special Instructions:** No special instruction on handling required  
**Flammability:** Non flammable  
**Transport by Air:** Safe for Air Transport

## 15. Regulatory Information

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**SARA Title III Classifications**  
**Section 302/304:** N/A  
**Section 311/312** N/A  
**Section 313 Chemical(s):** N/A  
**Proposition 65:** Not Applicable  
**CERCLA Reportable Quantity (RQ):** Not Listed

### RCRA Classification

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

**TSCA Status:** Not Applicable

## 16. Other Information

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### NFPA Hazard Ratings

Health: 1  
Flammability: 1  
Reactivity: 0

0 Least
1 Slight
2 Moderate
3 High
4 Severe

### Prepared by: Coromandel International Ltd.

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