



## MATERIAL SAFETY DATA SHEET

### FLORA

#### 1. PRODUCT

FLORA is an unique liquid formulation contains advance nano molecules that developed by nanotechnology acts as strong flowering stimulants. It promotes uptake of major and micro nutrients that help to increases female flower of plant. It is specially developed to improve the metabolic activities of plants. It help to improve quality of flowers and fruits. It gives high quality crop yield.

#### RECOMMENDED FOR:

All types of flowering crops.

#### 2. COMPOSITION OF PRODUCT

No	Parameter	Unit	Specification
1	Hormone and Vitamins	%	21
2	Emulsifier and Stabilizers	%	10
3	Aqueous Base	%	q.s.

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#### 3. HAZARD IDENTIFICATION

This product does not require labeling.

#### **4. FIRST AID**

##### **GENERAL**

Non-hazardous material. If irritation or discomfort occurs, seek medical advice from a physician.

##### **EYE CONTACT**

Non-irritating to ocular tissue. Immediately flush eyes with plenty of water. Keep eyes wide open while flushing. Seek medical attention if irritation occurs.

##### **SKIN CONTACT**

Non-irritating to skin. Wash with mild soap and water. Seek medical attention if discomfort occurs.

##### **INHALATION**

Non-toxic. Do not intentionally breathe vapors.

##### **INGESTION**

Non-toxic if ingested. Drink plenty of water or milk. Seek medical attention if discomfort occurs.

##### **OVER EXPOSURE**

Not applicable.

#### **5. FIRE FIGHTING MEASURES**

##### **FLASH POINT**

Not applicable.

##### **FLAMMABLE LIMITS**

Not applicable.

##### **PROPER FIREFIGHTING EQUIPMENT**

Use extinguishing media appropriate for surrounding fire. Caution: Slippery in liquid form or when mixed with water.

##### **FIRE AND EXPLOSION HAZARDS**

Non-flammable. Non-explosive.

#### **6. UNINTENTIONAL LIBERATION OR RELEASE MEASURES**

##### **SAFETY MEASUREMENTS TO PROTECT PERSONS**

Gloves and eye protection should be worn when handling due to temporary staining.

##### **PROPER METHODS FOR DAMAGE LIMITATION AND CLEANUP**

Spills may be easily cleaned by removing as much solid as possible and washing remaining spill with copious amounts of water. Avoid loose product on floor in damp areas as product may become slippery with the addition of clean-up water. Gloves and eye protection should be worn due to temporary staining.

## 7. HANDLING AND STORAGE

### HANDLING ADVICE

Avoid handling which may cause staining. Use personal protective equipment as specified in section 8.

### STORAGE

Store in cool place and out of direct sunlight. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### EXPOSURE CONTROL

No specific ventilation requirements. Eyewash facilities should be available.

### RESPIRATION PROTECTION

No respirator is required.

### EYE PROTECTION

Eye protection should be worn when handling due to temporary staining.

### HAND PROTECTION

Gloves should be worn when handling due to temporary staining.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid	Air Reactive	n/a
Color	DARK BROWN	Percent Volatile (by Volume)	n/a
Odor	ODOR LESS	Bulk Density	-
Solubility	100 % water	Solubility in Water	100% At 20°C
Melting Point/Range	Not Determined	Saturation Conc.	Not Determined
Expl. Limit LEL-UEL.%-%	n/a	Rel.Density Sat. Air (Air=1)	Not Determined
Vapor Pressure	Not Determined	Boiling point/Range	Not Determined
Decomposition Temp	Not Determined	pH Concentrate	n/a
pH Value	8-10	Viscosity	n/a
Flash point	n/a	Smelling Limits lo-hi	Not Determined
Molecular Weight	Not Determined	Rel. Evap. Velocity	Not Determined
Ignition Temp.	550°C	Water Reactive	n/a
Rel. Vapor Density (air=1)	Not Determined		

## 10. STABILITY AND REACTIVITY

### STABILITY

Product is stable.

### CONDITIONS TO AVOID

Excessive heat or freezing.

### MATERIALS TO AVOID

Oxidants and acids may cause degradation.

### HAZARDOUS DECOMPOSITION PRODUCTS

Not applicable.

### HAZARDOUS POLYMERIZATION

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

Non-toxic orally. Ingestion of significant amounts may cause nausea and discomfort.

### ACUTE OCULAR TOXICITY

Non-irritating to the ocular tissue of non-irrigated eyes.

### ACUTE DERMAL TOXICITY

Not toxic dermally. No treatment-related effects were observed.

### ACUTE DERMAL IRRITATION

No irritation or corrosive effects were observed.

### INHALATION TOXICITY

Not hazardous by inhalation.

### SKIN SENSITIZATION

Very slight erythematic observed with no other signs of irritation.

## 12. ECOLOGICAL INFORMATION

### BREAKDOWN

Biodegradable. Product presents minimal environmental impact.

### ECOTOXICITY

Plant nutritional supplement and growth stimulant, high concentrations may cause burn of plants. Non toxic to marine algae, vertebrates or invertebrates.

### 13. DISPOSAL CONSIDERATIONS

Not classified as hazardous waste. Product must be disposed of according to Federal, State or local procedures.

### 14. TRANSPORT INFORMATION

#### GENERAL

Non-hazardous material according to transport regulations. No special precautions are necessary.

### 15. REGULATORY INFORMATION

#### R-PHRASES

The product does not require labeling. Marking according to hazardous product regulations is not required.

### 16. DIRECTION OF USE

This product can be added to most nitrogen solutions or fluid fertilizers and impregnated on dry blend fertilizers. It can be tank mixed with most pesticides. Always make a small-scale test to assure compatibility. It can be soil or foliarly applied, broadcast or banded over the row and injected through irrigation systems.

**CAUTION:** Do not use in high phosphate “starter”

Flora will disperse in water with minimal agitation. It serves as a buffer when used in tank mixes with pesticides. The following mixing sequence should be followed:

1. Water
2. Flora
3. Other Fertilizers or Pesticides

### 17. RECOMMENDED RATE

The optimum rate and timing of application will vary depending on local conditions and should always be made as a result of soil and/or plant analysis and in consultation with your local agricultural authority. In the absence of test results, use the following as a guide:

- Foliar spray: **Mix 20 ml of product in 200 Ltr of water.**

### 18. SHELF LIFE

At least Three (3) years if undiluted, capped and stored properly in the original closed containers.