



**1. PRODUCT AND COMPANY IDENTIFICATION:**

HUMIC ACID Liquid foliar spray for growth enhancement. Product category recognised under NPOP (National Program for Organic Production, APEDA, INDIA).

COMPANY IDENTIFICATION:

Dinkal Agro Products Pvt. Ltd. - Plot 3, Ghanshyam Industrial Estate, VASNA-IYAVA, Sanand 382110, Gujarat, INDIA; Phone: +91-982560-3391

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

**USA-origin OMRI Certified HUMIC ACID Extract ... 6%**

Soluble Potash ... 2%

Solubility ... Water Soluble

pH - 10.5

Tests	Units	Estimated
Energy	Kcal	10 +
Silica	% by mass	<1
Carbohydrate	% by mass	2 +
Moisture	% by mass	90 +
Fiber	% by mass	NA
Protein	% by mass	1 to 2

**3. HAZARDOUS IDENTIFICATIONS:**

Route Of Entry	Effects Of Exposure / Symptoms	Emergency Treatment
Not pertinent (non-hazardous)	None, except mild irritation in eyes.	Obtain medical attention immediately.

**4. FIRST AID:**

First Aid Measures: Not pertinent (Wash exposed area with clean water. If eyes are affected, flush with water)

Antidotes / Dosage: Not pertinent

SPILLS

Steps To Be Taken: Not pertinent

Waste Disposal Method: Flush spillage with water

**5. FIRE FIGHTING MEASURES:**

Flash Point °C CC OC	Not Pertinent	Flammability LEL % v UEL % v	Not Pertinent	TDG Flammability	pertinent
Explosion sensitivity to impact	No	Explosion Sensitivity to Static Electricity	No	Auto-ignition Temp. oC	pertinent
Combustible Material	No	Explosive Material	No	Hazardous Polymerization	No
Flammable Material	No	Oxidizer	No	Corrosive Material	Slightly

## Material Safety Data Sheet

Pyrophoric Material	No	Organic Peroxide	No	Other Information :- --- Non-hazardous
Hazardous Combustion Products		Not Pertinent		

### 6. ACCIDENTAL RELEASE MEASURES:

For small spills, sweep up and place in a suitable container for disposal. Keep product out of sewers.

### 7. HANDLING AND STORAGE:

See product label. Keep out of reach of children. Wash thoroughly with soap and water after handling and before eating, drinking or smoking. Recommend storage in a cool, dry place away from high temperatures, hot pipes, and direct sunlight. Store in original container.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

<b>PERSONAL PROTECTIVE EQUIPMENTS</b>	Use PVC or Rubber gloves, gum-boots, goggles.
<b>HANDLING AND STORAGE PRECAUTIONS</b>	Store in cool, clean, ventilated, fireproof storage area. Keep away from heat, spark, open flame, incompatible material (oxidizing agents). Avoid freezing. Protect containers against physical damage.

APPLICATORS AND ALL OTHER HANDLERS: Please refer to the product label for personal protective clothing and equipment.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

Boiling Point/Range °C	102 (Approx.)	Physical State	Liquid	Appearance	Dark brown
Melting/Freezing Point °C	0	Vapour Pressure at 20 °C , mm Hg.	23	Odour	Mild, Earthy
Vapour Density (Air=1)	0.16	Solubility in water at 30 °C	Soluble	Other Information : - Contains no hazardous substance. It is naturally occurring product. Contains traces of alkali and proteins.	
Specific Gravity at 20 °C Water = 1	1.01	pH	10		

### 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Incompatibility With Other Material	None, except mild irritation in eyes
Reactivity	None
Hazardous Reaction Products	None

### 11. TOXICOLOGICAL INFORMATION:

Permissible Exposure Limits	TLV-TWA(ACGIH)	DNA	STEL(ACGIH)	DNA
LD50 Oral Rat : DNA	IDLH	DNA	Odour threshold	DNA

## Material Safety Data Sheet

NFPA Hazard Signals	Health - ( 0 )	Flammability - ( 0 )	Reactivity - ( 0 )	Special - ( - )
---------------------	----------------	----------------------	--------------------	-----------------

### 12. DISPOSAL METHOD:

Do not contaminate food, feed, or water by storage or disposal. If wastes resulting from the use of this product cannot be disposed of by use according to label instructions, dispose of these wastes at an approved facility. Contact your State pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

### 13. TRANSPORT INFORMATION:

IATA - Not regulated, safe to travel by sea, air and land.

### 14. REGULATORY INFORMATION:

**NOTICE:** The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

### 15. OTHER INFORMATION:

**Disclaimer:** Information in this Material Safety Data Sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is upto the User/ Distributor to ensure that the information contained in the Material Safety Data Sheet is relevant to the product manufactured /handled or sold by him as the case may be. Om Care Corporation makes no warranties, expressed or implied, in respect of the accuracy of this document for any particular purpose.



**1. PRODUCT AND COMPANY IDENTIFICATION:**

HUMIC ACID GRANULES for growth enhancement. Product category recognised under NPOP (National Program for Organic Production, APEDA, INDIA).

COMPANY IDENTIFICATION:

Dinkal Agro Products Pvt. Ltd. - Plot 3, Ghanshyam Industrial Estate, VASNA-IYAVA, Sanand 382110, Gujarat, INDIA; Phone: +91-982560-3391

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

**USA-origin OMRI Certified HUMIC ACID** ... 1.5% and 3% formulations on Bentonite Granules  
**Soluble Potash** ... 0.2% and 0.6% respectively as per Humic Acid formulation  
**Calcium-Bentonite Granules** ... Balance Q.S. with particle size of 10 to 40 mesh  
**pH** ... 7.5 to 8.5 (in 5% Aqueous Solution)

Tests	Units	Estimated
Energy	Kcal	50 +
Silica	% by mass	30 +
Carbohydrate	% by mass	10 to 12
Moisture	% by mass	8 to 12
Fiber	% by mass	Absent
Protein	% by mass	1 to 2

**3. HAZARDOUS IDENTIFICATIONS:**

Route Of Entry	Effects Of Exposure / Symptoms	Emergency Treatment
Not pertinent (non-hazardous)	None, except mild irritation in eyes.	Obtain medical attention immediately.

**4. FIRST AID:**

First Aid Measures: Not pertinent (Wash exposed area with clean water. If eyes are affected, flush with water)

Antidotes / Dosage: Not pertinent

SPILLS

Steps To Be Taken: Not pertinent

Waste Disposal Method: Can be swept

**5. FIRE FIGHTING MEASURES:**

Flash Point °C CC OC	Not Pertinent	Flammability LEL % v UEL % v	Not Pertinent	TDG Flammability	pertinent
Explosion sensitivity to impact	No	Explosion Sensitivity to Static Electricity	No	Auto-ignition Temp. oC	pertinent
Combustible Material	No	Explosive Material	No	Hazardous Polymerization	No



Flammable Material	No	Oxidizer	No	Corrosive Material	Slightly
Pyrophoric Material	No	Organic Peroxide	No	Other Information :- --- Non-hazardous	
Hazardous Combustion Products		Not Pertinent			

#### 6. ACCIDENTAL RELEASE MEASURES:

For small spills, sweep up and place in a suitable container for disposal. Keep product out of sewers.

#### 7. HANDLING AND STORAGE:

See product label. Keep out of reach of children. Wash thoroughly with soap and water after handling and before eating, drinking or smoking. Recommend storage in a cool, dry place away from high temperatures, hot pipes, and direct sunlight. Store in original container.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

<b>PERSONAL PROTECTIVE EQUIPMENTS</b>	Use PVC or Rubber gloves, gum-boots, goggles.
<b>HANDLING AND STORAGE PRECAUTIONS</b>	Store in cool, clean, ventilated, fireproof storage area. Keep away from heat, spark, open flame, incompatible material (oxidizing agents). Avoid freezing. Protect containers against physical damage. Keep containers closed when not in use to minimise the risk of spillage. Use good industrial hygiene practises.

APPLICATORS AND ALL OTHER HANDLERS: Please refer to the product label for personal protective clothing and equipment.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES:

Boiling Point/ Range °C	Not determined	Physical State	Granules	Appearance	Black granule
Melting/ Freezing Point °C	0	Vapour Pressure at 20 °C , mm Hg.	23	Odour	Mild, earthy
Vapour Density (Air=1)	0.16	Solubility in water at 30 °C	Not soluble	Other Information : - Contains no hazardous substance. It is naturally occurring product from humus. Contains traces of alkali.	
Specific Gravity at 20 °C Water = 1	NA	pH	8.5		

#### 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Incompatibility With Other Material	None, except mild irritation in eyes
Reactivity	None
Hazardous Reaction Products	None

#### 11. TOXICOLOGICAL INFORMATION:



Permissible Exposure Limits	TLV-TWA(ACGIH)	DNA	STEL(ACGIH)	DNA
LD50 Oral Rat : DNA	IDLH	DNA	Odour threshold	DNA
NFPA Hazard Signals	Health - ( 0 )	Flammability - ( 0 )	Reactivity - ( 0 )	Special - ( - )

**12. DISPOSAL METHOD:**

This material is not considered a hazardous material and may be disposed of in landfills or sanitary sewers.

**13. TRANSPORT INFORMATION:**

IATA - Not regulated, safe to travel by sea, air and land.

**14. REGULATORY INFORMATION:**

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

**15. OTHER INFORMATION:**

Disclaimer: Information in this Material Safety Data Sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is upto the User/Distributor to ensure that the information contained in the Material Safety Data Sheet is relevant to the product manufactured /handled or sold by him as the case may be. Om Care Corporation makes no warranties, expressed or implied, in respect of the accuracy of this document for any particular purpose.