

**SAFETY DATA SHEET**

DATE PREPARED: 04/16/14

CURRENT AS OF: 3/14/16

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT NAME: Morral Wheat Mix  
PRODUCT USE: Fertilizer micronutrient  
MANUFACTURED FOR: Morral Companies  
132 Postle  
Morral, Ohio, USA 43337  
FOR INFORMATION: (800) 554-3981

**SECTION 2: HAZARDS IDENTIFICATION**

HAZARD SYMBOLS / STATEMENTS:



**WARNING**      **MAY BE HARMFUL IF SWALLOWED**  
**MAY CAUSE MILD SKIN IRRITATION**  
**MAY CAUSE EYE IRRITATION**  
**MAY CAUSE RESPIRATORY IRRITATION**

HAZARD CLASSIFICATIONS:

| <u>HAZARD CLASSIFICATIONS:</u>        | <u>CATEGORY</u> | <u>INTERPRETATION</u>                     |
|---------------------------------------|-----------------|---|
| <i>ACUTE TOXICITY</i>                 | 5               | Low                                       |
| <i>SKIN IRRITATION</i>                | 3               | Skin Irritation Possible                  |
| <i>EYE IRRITATION</i>                 | 2B              | Eye Irritation Possible                   |
| <i>TARGET ORGAN SYSTEMIC TOXICITY</i> | 3               | Transient Respiratory Irritation Possible |

PRECAUTIONARY STATEMENTS:

- *CALL A POISON CENTER / PHYSICIAN IF UNWELL*
- *IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE*
- *IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES*
- *IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE*
- *WASH HANDS AFTER HANDLING*
- *USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS*
- *AVOID BREATHING MIST / SPRAY*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*
- *STORE CONTAINER TIGHTLY CLOSED*
- *DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS*

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

| <u>CHEMICAL IDENTITY</u>    | <u>SYNONYM</u> | <u>CAS #</u> | <u>CONCENTRATION (%)</u> |
|-----------------------------|----------------|--------------|--------------------------|
| Micronutrient EDTA solution |                | Mixture      | 100.0                    |

## MORRAL WHEAT MIX

### SECTION 4: FIRST AID MEASURES

|                    |  |
|--------------------|--|
| IF INHALED:        | Move victim to fresh air. Seek medical attention if irritation persists.   |
| IF ON SKIN:        | Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.        |
| IF IN THE EYES:    | Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.                                     |
| IF SWALLOWED:      | If victim is alert and not convulsing, give one glass of water to dilute material and induce vomiting. Seek immediate medical attention. |
| SPECIAL TREATMENT: | None known   |
| HEALTH HAZARDS:    | See Section 11   |

### SECTION 5: FIREFIGHTING MEASURES

|                                  |   |
|----------------------------------|---|
| EXTINGUISHING MEDIA:             | Use media suitable for surrounding fire. No special media required.                     |
| SPECIFIC FIRE HAZARDS:           | Decomposition products may be toxic.  |
| SPECIAL FIREFIGHTING PROCEDURES: | Wear full protective clothing and positive-pressure self-contained breathing apparatus. |

### SECTION 6: ACCIDENTAL RELEASE MEASURES

|                             |  |
|-----------------------------|--|
| SPILL / RELEASE PROCEDURES: | Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly. |
| ENVIRONMENTAL PRECAUTIONS:  | Prevent spilled material from entering storm drains or water bodies.   |
| PROTECTIVE EQUIPMENT:       | See Section 8  |

### SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE LIMITS:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

| <u>HAZARDOUS COMPONENT</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|----------------------------|-----------------|------------------|
|----------------------------|-----------------|------------------|

|                             |  |  |
|-----------------------------|--|--|
| Micronutrient EDTA solution |  |  |
|-----------------------------|--|--|

## MORRAL WHEAT MIX

### PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

|                         |   |
|-------------------------|---|
| RESPIRATORY PROTECTION: | NIOSH approved particulate / mist respirator, if required           |
| EYE PROTECTION:         | Safety glasses with sideshields, goggles, or faceshield recommended |
| SKIN PROTECTION:        | Long sleeves, protective (rubber) gloves recommended                |
| VENTILATION:            | Local exhaust ventilation recommended                               |

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                        |                                      |
|------------------------|--------------------------------------|
| APPEARANCE AND ODOR:   | Blue liquid with slight ammonia odor |
| pH:                    | 7.0                                  |
| MELTING POINT:         | Not applicable                       |
| BOILING POINT:         | ~ 220°F                              |
| FLASH POINT:           | Not flammable                        |
| EVAPORATION RATE:      | Not available                        |
| FLAMMABLE LIMITS:      | Not applicable                       |
| VAPOR PRESSURE:        | Not available                        |
| VAPOR DENSITY:         | Not available                        |
| SPECIFIC GRAVITY:      | 1.3                                  |
| SOLUBILITY (IN WATER): | Soluble                              |
| PARTITION COEFFICIENT: | Not available                        |
| AUTOIGNITION TEMP:     | Not available                        |
| DECOMPOSITION TEMP:    | Not available                        |
| ODOR THRESHOLD:        | Not available                        |
| VISCOSITY:             | Not available                        |

### SECTION 10: STABILITY AND REACTIVITY

|                                   |                    |
|-----------------------------------|--------------------|
| STABILITY:                        | Product is stable. |
| CONDITIONS TO AVOID:              | Excessive heat     |
| INCOMPATIBILITY:                  | Reducing agents    |
| HAZARDOUS DECOMPOSITION PRODUCTS: | NO <sub>x</sub>    |

### SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May cause irritation of the eyes, skin, respiratory tract, and gastrointestinal tract.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

#### INGREDIENT TOXICITY RANGES:

ORAL: None listed

DERMAL: None listed

INHALATION: None listed

### SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

## MORRAL WHEAT MIX

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

### SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

### SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

### SECTION 16: OTHER INFORMATION

|               |              |   |
|---------------|--------------|---|
| NFPA RATINGS: | HEALTH       | 1 |
|               | FLAMMABILITY | 0 |
|               | INSTABILITY  | 0 |

|               |                 |   |
|---------------|-----------------|---|
| HMIS RATINGS: | HEALTH          | 1 |
|               | FLAMMABILITY    | 0 |
|               | PHYSICAL HAZARD | 0 |

PREPARED BY: SS