

Fulvic™ / 5

Makes Micronutrients more available to the plant

KEEP OUT OF REACH OF CHILDREN

CAUTION

READ ENTIRE LABEL BEFORE USING

GHS HAZARD STATEMENTS

This product is not considered hazardous under GHS classification guidelines.

PRECAUTIONARY STATEMENTS

Harmful if swallowed. Avoid Eye

If medical advice is needed, have product container or label at hand.

Read label before use.

Read all precautions of products being handled and follow the most restrictive language for all products to provide the safest work environment.

This product is not considered hazardous under GHS classification guidelines. Refer to Section 15 for current precautionary statements.

ACTIVE INGREDIENTS

Fulvic Acid Complex	5%
Inert Ingredients	95%
TOTAL	100%

Weight per gallon: 8.55lbs. (3.88kg)

GENERAL INFORMATION

Fulvic 5 is a fulvic acid complex derived from the plant active portions of Leonardite ore. Fulvic 5 is stable over a pH range of 2.0 to 12.0 so it can be formulated with both basic and acidic liquid fertilizer solutions.

Fulvic 5 can be used alone or blended with liquid fertilizer mixtures containing micronutrients.

DIRECTIONS FOR USE

SHAKE WELL OR RECIRCULATE BEFORE USE

Fulvic 5 with CropPlex™ Technology functions as a complexing agent for micronutrients and provides a source of added organic carbon which is necessary for healthy crops. The CropPlex™ Technology in Fulvic 5 helps improve soil structure, nutrient absorption, stress tolerance, microbial growth, nutrient exchange and seedling growth.



MIXING INSTRUCTIONS

Fulvic 5 can be used alone or blended with liquid fertilizer mixtures containing micronutrients. Fulvic 5 can be used with all crops including corn, soybeans, alfalfa, wheat, cotton, sunflowers, grain sorghum, and potatoes.

RECOMMENDED RATES

Soil application: 2 - 4 quarts per acre applied in furrow, banded, or side dressed.

Foliar application: 1 quart in 10 gallons of solution per acre to promote adsorption.

Drip irrigation: 2 - 4 quarts per acre for plant nutrition three times a year.

Salt Complexing: 1 gallon of Fulvic 5 will dissolve 0.33 lbs. of calcium carbonate scale.

Fulvic 5 is a soil amendment and not a fertilizer. It should always be used as part of a standard fertility program. Always read and follow label directions. A simple jar test is recommended to confirm compatibility.

STORAGE AND DISPOSAL

Storage: Store in a cool, dry place. Store in original container only. Do not store near feed or food. Store between 40°F and 120°F. DO NOT FREEZE. Do not contaminate water sources with equipment wash water, spray disposal wastes or by cleaning of equipment. Do not use or store near open flame.

Disposal: Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrcycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state, and federal regulations.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product are based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of manufacturer or the Seller. All such risks shall be assumed by the Buyer. THE MANUFACTURER OR SELLER MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OF ANY OTHER EXPRESSED OR IMPLIED WARRANTY. IN NO CASE SHALL THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. The manufacturer and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of the manufacturer. 011415



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800-762-5123

SAFETY DATA SHEET



Date issued : 12/30/2014
SDS No : Fulvic 5

Fulvic 5

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Fulvic 5
CHEMICAL FAMILY: Fertilizer Additive
GENERIC NAME: Amorphous Polymer

DISTRIBUTOR

United Suppliers, INC.
BOX 538
Eldora, IA 50627
Customer Service: 800-782-5123

24 HR. EMERGENCY TELEPHONE NUMBERS

ChemTrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS LABEL**PRECAUTIONARY STATEMENTS****General:**

- P101: If medical advice is needed, have product container or label at hand.
- P102: Keep out of reach of children.
- P103: Read label before use.

SENSITIZATION: Not a skin sensitizer.

COMMENTS HEALTH: Read all precautions of products being handled and follow the most restrictive language for all products to provide the safest work environment.

COMMENTS: This product is not considered hazardous under GHS classification guidelines. Refer to Section 15 for current precautionary statements.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Fulvic Acid Complex	5	Mixture
Inert Ingredients	95	Mixture

4. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: Remove contaminated clothing. Rinse skin immediately with water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Immediately call a poison control center or doctor. Dilute with large amounts of water. Do not induce vomiting unless directed to do so by a medical professional. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. If vomiting occurs, keep head lower than hips to prevent introduction of fluid into the lungs.

INHALATION: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient.

Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

ADDITIONAL INFORMATION: Have the product container or label with you when calling a poison control center or doctor, or going in for treatment. For emergency medical assistance call **CHEMTREC 1-800-424-9300**.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Toxic fumes may be emitted in a fire situation.

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray or fog.

EXPLOSION HAZARDS: No specific explosion hazards are identified or expected. Always fight fire with the implication that other volatile substances may be present.

FIRE FIGHTING PROCEDURES: Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Pick up spilled liquid with absorbent material and sweep up for disposal. Place it and damaged unusable containers in a landfill appropriate for non hazardous chemical waste. Check local, state, and federal regulations for proper disposal.

LARGE SPILL: Dike around the spill area to prevent spreading. Pick up spilled material with suitable absorbent material and place in appropriate container for disposal. Place it and unusable containers in a landfill appropriate for non hazardous chemical waste. Check local, state, and federal regulations for proper disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not contaminate any body of water.

LAND SPILL: Avoid runoff onto any adjacent land.

SPECIAL PROTECTIVE EQUIPMENT: Always wear proper protective equipment when handling this product.

7. HANDLING AND STORAGE

HANDLING: Wash hands after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid contact with eyes and prolonged contact with skin. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE: Store in a cool, dry place away from children and animals. Store in original container. Keep away from heat, sparks and open flame. Keep tightly closed. Do not store product near strong oxidizing agents. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Store above 35° F and below 120° F.

STORAGE TEMPERATURE: (35°F) Minimum to (120°F) Maximum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical goggles or shielded safety glasses (ANSI Z87.1 or approved equivalent) when handling and mixing product. Contact lenses should not be worn when working with chemicals.

SKIN: Wear protective clothing: long-sleeved shirt and long pants, shoes plus socks and chemical-resistant gloves. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.

RESPIRATORY: Work in a well ventilated area; exposure to airborne contaminants is not expected to cause concern.

PROTECTIVE CLOTHING: Eye protection, long sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Fulvic 5

ODOR: Not Available
APPEARANCE: Liquid
COLOR: Pale yellow
pH: 2.5
PERCENT VOLATILE: 95
FLASH POINT AND METHOD: Not Available
AUTOIGNITION TEMPERATURE: Not Available
VAPOR PRESSURE: 14.2 mm Hg at 20°C
VAPOR DENSITY: 1.21 @ 20° C
BOILING POINT: to 104°C
FREEZING POINT: -2°C
MELTING POINT: Not Available
POUR POINT: Not Available
THERMAL DECOMPOSITION: Not Available
SOLUBILITY IN WATER: 100% Soluble
EVAPORATION RATE: 0.4
Notes: Normal (water)
DENSITY: Not Applicable
SPECIFIC GRAVITY: 1.026 at 25°C
VISCOSITY: Not Available
MOLECULAR WEIGHT: Not Available

10. STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: No
POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide, carbon dioxide, and carbon monoxide.
INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE
EYES: Not Available
DERMAL LD₅₀: Not Available
SKIN ABSORPTION: Not Available
ORAL LD₅₀: > 5 g (dry matter, rat)
INHALATION LC₅₀: Not Available
CARCINOGENICITY
Notes: Not listed in OSHA, NTP, IARC or ACGIH
SENSITIZATION: Not a contact sensitizer

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Ecotoxicity information is not available. This product is not for use in aquatic settings.

13. DISPOSAL CONSIDERATIONS

Fulvic 5

DISPOSAL METHOD: Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PRIMARY HAZARD CLASS/DIVISION: Not regulated by DOT

PLACARDS: None

LABEL: None

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Not Listed

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

313 REPORTABLE INGREDIENTS: Not Listed

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not Listed

CERCLA RQ: Not Listed

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components of this product are listed under the regulation of the Toxic Substance Control Act.

CALIFORNIA PROPOSITION 65: Not Listed

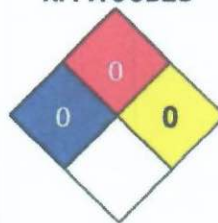
CARCINOGEN: Not Listed

GENERAL COMMENTS: Harmful if swallowed. Avoid contact with eyes, skin and clothing. In case of contact, immediately flush with water.

16. OTHER INFORMATION

REASON FOR ISSUE: New SDS Format

NFPA CODES



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