

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer – Fertilizantes Fulltec S.R.L.
 Address: Alberto J. Paz 1065 bis-Rosario-Santa Fe- Argentina
 Phone +54 0341) 4868911 – Info@spraytecfertilizantes.com
 Registration in the national fertilizer registry SENASA SAGPyA.

2. COMPOSITION AND INFORMATION ON INGREDIENTS

CLASSIFICATION: Mixed mineral fertilizer

CLASS: Foliar Fertilizer

TYPE OF FORMULATION: Aqueous solution.

COMPOSITION: Urea, Copper Sulfate, phosphoric acid solution, Manganese Sulfate, boric acid, anionic surfactant additives, EDTA chelating agent, emulsifier, preservative and water.

GUARANTEE:

Total nitrogen (N)	18,5 %
Assimilable Phosphorus (P).....	1,0 %
Manganese (Mn)	0,3 %
Copper (Cu).....	0,2 %
Boron (B)	0,1 %
Sulfur from sulfates (S)	0,9 %

3. HAZARD IDENTIFICATION

MOST IMPORTANT HAZARDS: It is a product that normally presents no risk when handled.

However, due to the individual susceptibilities of each person, it can cause irritation to the skin, eyes or respiratory tract.

PRODUCT EFFECT: Inhalation of vapors may cause irritation in the upper respiratory tract, nausea or mild dermal irritation.

ENVIRONMENTAL EFFECTS: If water courses are contaminated by large volumes, it can cause a reduction in the pH of the environment.

PHYSICAL AND CHEMICAL HAZARD: NON-FLAMMABLE Product. May cause a reaction with some metals.

SPECIFIC HAZARDS: Not applicable.

MAIN SYMPTOMS: May cause irritation of eyes, nose, throat and skin according to the individual susceptibility of each person.

CLASSIFICATION OF CHEMICAL PRODUCT: Fertilizer.

EMERGENCY OVERVIEW: Depending on the proportions, isolate and evacuate the area. Wear personal protective equipment, protective glasses and PVC gloves.

4. FIRST AID MEASURES

INHALATION: If inhaled and exposure has been excessive, move the patient outdoors.

SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

EYES: Wash with water jets. Call the doctor if irritation persists.

INGESTION: If small amounts enter through the mouth, rinse with water until there are no traces of flavor left. Do not induce vomiting. Call the doctor immediately if swallowed.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray (fog), foam, dry chemical, carbon dioxide.

SPECIFIC FIGHTING PROCEDURES: Use self-contained breathing apparatus. Wear special protective clothing for firefighters.

6. ACCIDENTAL RELEASE MEASURES

- Locate the vehicle off the road and divert traffic.
- In the event of a major spill, prevent spillage from entering water courses or drains.
- Immediately notify Police, Firefighters and Spraytec Australia.
- Absorb with sawdust, sand or wood shavings.
- Collect all the material in polyethylene bags.

7. HANDLING AND STORAGE

PERSONAL PRECAUTIONARY ACTIONS: Observe the normal handling precautions appropriate to plant protection products.

STORAGE: Store in a cool, dry and well-ventilated place, in its original container.

INCOMPATIBLE PRODUCTS AND MATERIALS: Strong bases, oxidizing products and metals that can react with acids.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INDIVIDUAL PROTECTION ACTIONS, AS PERSONAL PROTECTIVE EQUIPMENT (PPE): Wear gloves, masks, rubber boots and safety clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: homogeneous liquid

pH: 3,0

COLOUR: Light Violet

Relative density: 1,09 gr/ml

VISCOSITY: thick liquid

Solubility: water soluble

10. STABILITY AND REACTIVITY

SPECIFIC CONDITIONS

STABILITY: Stable product

CONDITIONS TO AVOID: High temperatures and direct sun exposure.

INCOMPATIBLE PRODUCTS AND MATERIALS: Strong bases, oxidizing products and metals that can react with acids.

NEED TO ADD ADDITIVE OR INHIBITORS: No.

11. TOXICOLOGICAL INFORMATION

INFORMATION ACCORDING TO THE DIFFERENT ROUTES OF EXPOSURE

ACUTE TOXICITY: Not rated.

LOCAL EFFECTS: Irritation effects are not expected.

SENSITIZATION: Prolonged contact with dry skin may cause irritation. Irritation may intensify if the skin is moist.

CHRONIC TOXICITY: No evidence.

TOXICOLOGICALLY SYNERGIC EFFECTS: Effects from exposure to the product are not expected.

SPECIFIC EFFECTS: Effects from exposure to the product are not expected.

SUBSTANCES THAT CAUSE ADDITIVE EFFECTS: There is no evidence

EMPOWERMENT: Effects from exposure to the product are not expected

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS, BEHAVIORS AND PRODUCT IMPACTS

MOBILITY: Dissolves in water.

PERSISTENCE / DEGRADABILITY: Biodegradable.

BIOACUMULATION: It does not bioaccumulate.

EXPECTED BEHAVIOUR: Rapid absorption due to water solubility.

ENVIRONMENTAL IMPACT: Avoid spillage into drains and waterways.

ECOTOXICITY: It has not been evaluated.

13. DISPOSAL CONSIDERATIONS

TREATMENT AND DISPOSAL METHODS

PRODUCT: Try to reuse the product.

PRODUCT REMAINS: Collect and properly store spilled product for final disposal. Consult the local environmental control body.

PACKING USED: Wash with water and use the water in the application. The packaging can be recycled.

14. TRANSPORT INFORMATION

NATIONAL AND INTERNATIONAL REGULATIONS

LAND: The product is not framed in the Resolution that regulates Transportation of Dangerous Products.

FLUVIAL: Not rated.

MARITIME: IMDG - International Maritime Dangerous Goods Code. Not classified as dangerous goods.

AERIAL: IATA (Airplane). Not classified as dangerous goods.

ADDITIONAL REGULATIONS: Not applicable.

FOR PRODUCT CLASSIFIED AS DANGEROUS FOR TRANSPORT: Not applicable.

ONU NUMBER: Not rated.

APPROPRIATE NAME FOR SHIPMENT: Mixed Mineral Fertilizer

RISK CLASS: Not rated.

RISK NUMBER: Not rated.

PACKING GROUP: Not rated.

15. REGULATORY INFORMATION

REGULATIONS: Product not classified in the Resolution regulating the transport of dangerous goods. The product is not classed as a dangerous good.

INFORMATION ON RISKS AND SAFETY ACCORDING TO THE LABEL: See the previous information on safety and product handling.

16. OTHER INFORMATION

RECOMMENDED USES AND POSSIBLE RESTRICTIONS TO THE CHEMICAL PRODUCT: The use of this product is restricted to the agricultural field.

NOTE: The information contained herein is merely indicative and is given in good faith, without incurring express or implied liability. The user is responsible for its use in accordance with applicable federal, state and local laws and regulations. For clarification or additional information, consult Spraytec Australia or representatives.