



SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TIP PLUS
 ACTIVE: **UNICONAZOLE 50g/L**
 REGISTRATION HOLDER: HARVEST CROP SOLUTIONS (PTY) LTD.
 DISTRIBUTOR: HARVEST CHEMICALS (PTY) LTD.
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1. CHEMICAL PRODUCT

Product Name: Tip Plus
 Active ingredient: Uniconazole 50g/L (Proprietary Formulation)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No	Content
Uniconazole	83657-22-1	50.0 g a.i. per litre
Other formulation ingredients		Made up to 1.0 litre

3. HAZARDS IDENTIFICATION

Hazard Classification: Class 9.

Hazard Category: GHS Classification – Group 4.
 WHO Classification – Group II (slightly Hazardous)
 May cause slight eye irritation.

Risk Phrases: S1: Keep under lock and key.
 S2: Keep out of reach of children, uninformed persons and animals.
 S36/37: Wear suitable protective clothing and gloves.

PLANT. CULTIVATE. HARVEST

Safety Phrases: S61: Avoid contamination of the environment.

4. FIRST AID MEASURES

General Advice: Remove the patient from the source of contamination. Wash any contaminated area.

Inhalation: Remove the patient to fresh air. Assist the patient with breathing. Get medical attention.

Skin Contact: Remove contaminated clothing. Wash the affected skin with plenty of soap and water.

Eye Contact: Remove contact lenses if worn. Rinse eyes out with plenty of water for at least 15 minutes. Hold eye lids open while rinsing.

Ingestion: Wash out mouth. Give a spoon of activated charcoal in a glass of water. Get medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray or fog, carbon dioxide (CO₂), dry chemical, foam. Specific Hazards: None, not flammable.

Protective Equipment: Wear full protective equipment (overall, boots, gloves) and a self-contained breathing apparatus.

Procedure: Contain and prevent water run-off and debris. Prevent breathing and contact with smoke and spray mists. Decontaminate personal protective equipment and fire fighting equipment after use. Prevent contamination of drains and waterways.

Hazardous Combustion Products: Normal combustion will produce carbon dioxide, oxides of nitrogen and may produce toxic compounds of chlorine.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear suitable protective clothing (overall, boots, gloves, eye protection).

Environmental precautions: Do not allow product to enter drains, sewers or any water body.

This is a water soluble product.

Containment: Use dry material such as sand to form dykes to prevent run-off. Use an inert material to absorb spilled material. Collect contaminated material and place in a labelled waste container for responsible disposal.

7. HANDLING AND STORAGE

Handling: Store this product in the original container. Store away from food and animal feed.

Storage: Store in a cool, dry place away from direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Wear eye protection when handling this product.

Respiration: Use an approved respirator when handling this concentrated product. Handle only in well ventilated places.

Skin Protection: Wear chemical resistant gloves when handling this product. Wear a long-sleeved overall and boots to prevent contact.

Hygiene Measures: Do not eat, drink or smoke when handling this product. Wash thoroughly after handling and use. Wash clothes after use and before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid.

Density: 1.03

pH: 5.8

Flammability: non-flammable.

Corrosive: non-corrosive.

Stability: Stable for 2 years under ambient storage conditions.

10. STABILITY AND REACTIVITY

Stability: This product is not subject to polymerisation.

Hydrolysis: Uniconazole is stable to hydrolysis.

Photolysis: Uniconazole is degraded by photolysis.

Chemical Stability: This product is stable. Store above freezing (0°C). Materials to avoid: Strong oxidisers, acids and alkalis.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50 = 4300 mg/kg (♂), 5840 mg/kg (♀) (rat).

Acute Dermal LD50 = > 5000 mg/kg (♂ and ♀) (rat).

Inhalation LC50 = > 5.0 mg/ℓ (rat).

Skin Irritation: Non-irritating (rabbit).

Eye Irritation: Non-irritating (rabbit).

Skin Sensitizer: Not a skin sensitizer.

12. ECOLOGICAL AND ECOTOXICOLOGICAL INFORMATION

Birds: Not toxic to birds.

Fish and Aquatic Organisms: Moderately toxic to fish; toxic to Daphnia. Honey bees: Not toxic to bees.

Earthworms: Not toxic to earthworms.

Uniconazole is unlikely to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the volume of the container. Add the rinsings to the contents of the spray tank before destroying the container by perforation and flattening.

Do not use the container for any other purpose.

Offer for approved re-cycling.

14. TRANSPORT INFORMATION

UN No.: Not regulated.
ADR/IRD: Not regulated
IMDG/IMO: Not regulated.
AIR/IATA: Not regulated.
Hazard Class: 9
Packaging Class: III

15. REGULATORY INFORMATION

RSA: Registration Number L XXXXX, Act Number 36 of 1947.
RSA Classification: Group III (Blue, Caution)

16. OTHER INFORMATION

All information and instructions provided in this safety data sheet are based on the current state of scientific and technical knowledge and are presented in good faith and believed to be correct. No representation as to the completeness or accuracy of these data is made. No responsibility for damages of any nature whatsoever resulting from the use of or reliance upon this information will be accepted.

In the event of any uncertainty, consult the supplier of this product before use.