



# SAFETY DATA SHEET

## PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HARVEST SPIROTETRAMAT 240 SC  
 ACTIVE: **SPIROTETRAMAT 240g/L**  
 REGISTRATION HOLDER: HARVEST CROP SOLUTIONS (PTY) LTD.  
 DISTRIBUTOR: HARVEST CHEMICALS (PTY) LTD.  
 ADDRESS: 25 DAN PIENAAR ROAD  
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 3610  
 REPUBLIC OF SOUTH AFRICA  
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### 1. CHEMICAL PRODUCT

Product Name: Harvest Spirotetramat 240 SC.  
 Active ingredient: Spirotetramat.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Content
Spirotetramat	203313-25-1	240.0 g a.i. per litre
Other formulation ingredients		Made up to 1.0 litre

### 3. HAZARDS IDENTIFICATION

Hazard Classification: Class 9.

Hazard Category: Xn: Harmful.

Risk Phrases: R22: Harmful if swallowed.  
 R42: May cause skin sensitization.  
 R52: Harmful to aquatic organisms.

Safety 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.  
S61: Avoid contamination of the environment.

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#### 4. FIRST AID MEASURES

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##### Symptoms of human poisoning

Decreased motility and reactivity, cough, dyspnea and vomiting at high dosage rates.

##### Skin contact

Remove any contaminated clothing.  
Wash immediately with soap and water.

##### Eye contact

Remove contact lenses.  
Rinse the eyes with clean water for at least 15 minutes, holding the eye lids open.  
Get medical attention.

##### Inhalation

Remove the patient from the source of contamination to a well-ventilated area.

##### Ingestion

Do not induce vomiting.  
Never give anything by mouth to an unconscious person.  
Get immediate medical attention.

##### Antidote

There is no known antidote.

##### Note to Physician

Treat symptomatically.  
Gastric lavage should be considered if a large amount has been swallowed within 2 hours.  
Activated charcoal and sodium sulphate can be considered for treatment.

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#### 5. FIRE FIGHTING MEASURES

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##### Extinguishing media

Water spray, carbon dioxide, dry chemical extinguisher, foam.  
Do not use a strong water jet.

##### Exposure hazards

Fire will produce dense black smoke.  
Exposure to decomposition products may cause a health hazard, especially fire fumes and gasses causing respiratory problems.  
Wear personal protective clothing (overall, boots, gloves, and self-contained breathing apparatus).

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## 6. ACCIDENTAL RELEASE MEASURES

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Use personal protective clothing (overall, boots, gloves, eye protection).

Avoid contact with skin and clothing.

Prevent contamination of drains and water ways.

Contain and collect the spillage in non-combustible absorbent material, e.g. sand, soil, vermiculite, diatomaceous earth, and place in a labelled container for further disposal.

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## 7. HANDLING AND STORAGE

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### Handling

Avoid contact with skin and eyes.

Keep the container tightly closed.

Do not eat, drink or smoke while handling this product.

Keep away from sources of ignition.

### Storage

Store only in the original labelled container.

Once opened, the container must be re-sealed after use and kept upright.

Store in a cool, well-ventilated place.

Store away from children, uninformed persons and animals.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Respiratory Protection

Wear respiration protection if workplace limits are exceeded.

### Personal Protection

Wear an overall, gloves and eye protection when handling the concentrate and applying.

Do not eat, drink or smoke when handling this product.

Keep away from foodstuffs and beverages.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical state and colour: Off-white, Liquid, Suspension Concentrate.

Density: 1.075 g/mL

Solubility in water: Dispersible.

Flammability: Non-flammable.

Corrosiveness: Non-corrosive.

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## 10. STABILITY AND REACTIVITY

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Stability: Stable under ambient storage and handling conditions.

Hazardous polymerization: Will not occur.

Conditions to avoid: Protect from direct sunlight and heat. Avoid temperatures over 75 °C.

Hazardous decomposition products: No hazardous decomposition products are expected under normal storage and use conditions.

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## 11. TOXICOLOGICAL INFORMATION

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Acute Oral Toxicity: LD<sub>50</sub> = > 3000 mg/kg (♂ and ♀ rats)

Acute Dermal Toxicity: LD<sub>50</sub> = > 4000 mg/kg (♂ and ♀ rats)

Acute Inhalation Toxicity: LC<sub>50</sub> = > 5.2 mg/ℓ air (♂ and ♀, 4 hours).

Dermal Irritation: Non-irritant.

Eye Irritation: Non-irritant.

Skin Sensitization: Slight sensitization may occur.

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## 12. ECOLOGICAL AND ECOTOXICOLOGICAL INFORMATION

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### Bird Toxicity

Bobwhite quail: LD<sub>50</sub> = > 2000 mg/kg daily.

Mallard ducks: LD<sub>50</sub> = > 2000 mg/kg daily.

### Fish Toxicity

Bluegill sunfish: LC<sub>50</sub> = 2.2 mg/ℓ.

Rainbow trout: LC<sub>50</sub> = 2.2 mg/ℓ.

Daphnia: EC<sub>50</sub> = > 42.7 mg/ℓ (48 hours).

Earthworms: LC<sub>50</sub> = > 1000 mg/kg soil.

Bees: Oral LD<sub>50</sub> = 107.3 µg/bee; Contact LD<sub>50</sub> = > 100 µg/bee.

Beneficial Species (laboratory glass plate test)

Predatory mite *Typhlodromus pyri* LR<sub>50</sub> = 0.333g/ha.

Parasitic wasp *Aphidius rhopalosiphi* LR<sub>50</sub> = 114.7 g/ha.

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## 13. DISPOSAL CONSIDERATIONS

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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.

If possible, offer the container for recycling. Dispose of as hazardous industrial waste. Do not contaminate drains, sewers or any water body with this product.

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## 14. TRANSPORT INFORMATION

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Shipping name: Environmentally Hazardous Substance; Liquid; N.O.S.

UN No.: 3082

Hazardous Class: 9

Packing Group: III

Marine Pollutant: Yes.

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## 15. REGULATORY INFORMATION

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RSA: Registration Number L XXXXX, Act Number 36 of 1947.

RSA Classification: Group III (Blue, Caution)

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## 16. OTHER INFORMATION

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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.

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