



# SAFETY DATA SHEET

## PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HARVEST PYRIMETH 400 SC  
 ACTIVE: **PYRIMETHANIL 400g/L**  
 REGISTRATION HOLDER: HARVEST CROP SOLUTIONS (PTY) LTD.  
 DISTRIBUTOR: HARVEST CHEMICALS (PTY) LTD.  
 ADDRESS: 25 DAN PIENAAR ROAD  
 KLOOF, KWAZULU-NATAL  
 3610  
 REPUBLIC OF SOUTH AFRICA  
 CONTACT NUMBER: +27 (0) 31 764 6315  
 EMERGENCY NUMBER: +27 (0) 82 442 1134

### 1. CHEMICAL PRODUCT

**Product name:** NovaPyrimeth 400 SC  
**Active ingredient:** Pyrimethanil

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Content (%)
Pyrimethanil	53112-28-0	38
Other ingredients		62

### 3. HAZARDS IDENTIFICATION

**Potential Health Effects :**

**Skin contact :**

May be absorbed through the skin. Toxic in contact with skin.

**Eye contact :**

May cause eye irritation.

**Inhalation :**

May cause respiratory tract irritation.

**Ingestion :**

May cause irritation of the digestive tract.

**Chronic :**

Not available.

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**4. FIRST AID MEASURES**

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**Symptoms of human poisoning:**

May irritate the eyes, nose, throat and skin. Harmful if inhaled or swallowed.

**If swallowed:** If swallowed, immediately contact a poison control centre, doctor or nearest hospital for treatment advice. Rinse mouth with water. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless directed by a physician or a poison control centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomit, rinse mouth and administer water.

**If in eyes:** Immediately flush eyes with clean water, holding eyelids apart for a minimum of 20 minutes. After 5 minutes check for and remove contact lenses, then continue rinsing eye. Obtain medical attention immediately if irritation persists.

**If on skin or clothing:** Immediately remove contaminated clothing and wash skin, hair and fingernails thoroughly with soap and water. Flush skin with running water for a minimum of 20 minutes. Obtain medical attention if irritation persists. Wash contaminated clothing before re-use.

**If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is laboured, give oxygen. Obtain immediate medical attention.

**Notes to Physician:** Treat symptomatically and supportively.

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**5. FIRE FIGHTING MEASURES**

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**Fire and Explosion Hazard:**

Non-flammable, non-combustible and non-explosive liquid. Minimise the use of water to prevent environmental contamination.

**Hazardous Products of Combustion:**

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:**

Foam, dry chemical agent and carbon dioxide (CO<sub>2</sub>).

**In Case of Fire:**

Use appropriate extinguishing media for combustibles in the area. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the

area to prevent human exposure to fire, smoke, fumes or products of combustion. Decontaminate equipment after use. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff. Prevent runoff to enter sewers, waterways, rivers or dams.

**Flammability:** This product is non-flammable, non-explosive and non-combustible

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## 6. ACCIDENTAL RELEASE MEASURES

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### **Personal Precautions:**

Wear appropriate personal protective equipment as specified in Section 8.

### **Environmental Precautions:**

#### **Small Spill:**

Absorb with sand, soil or other absorbent material. Scrub the spill area with detergent and water. Minimise the use of water to prevent environmental contamination.

#### **Large Spill:**

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8.

Cover entire spill with absorbing material and place into compatible disposal container. Scrub the spill area with detergent and water. Collect wash water with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposal.

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## 7. HANDLING AND STORAGE

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### **Handling:**

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

Do not breathe dust, vapor, mist or gas. Do not get in eyes, on skin or on clothing.

Wash thoroughly with soap and water after handling.

Dispose of wash water where it will not contaminate crops, grazing, dams or rivers.

### **Storage:**

Store in a well-ventilated, secure area out of reach of children, uninformed persons and animals.

Store in tightly closed container.

Do not store food, beverages or tobacco products in the storage area.

Minimum Shelf Life: 2 years

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Engineering controls:** Use adequate ventilation to keep airborne concentrations low.

**Eye Protection:** Wear appropriate protective eyeglasses, use chemical splash goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Emergency Eye Wash:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower for emergency use.

**Skin Contact:** Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear.

**Inhalation:** A combination particulate/organic vapor respirator may be necessary until effective engineering controls are installed to comply with occupational exposure limits. Use a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an HE prefilter. Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149.

Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Milky white Flowable, easy to measure volumetrical liquid.
<b>Color:</b>	Milky White
<b>Odor:</b>	Slight odor
<b>pH:</b>	5.0 – 8.0
<b>Melting Point:</b>	96.3°C
<b>Vapour Pressure:</b>	$2.2 \times 10^{-3}$ Pa (25°C)
<b>Density:</b>	1.15 (20°C)
<b>Solubility:</b>	In water 0.121g/l (25°C)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Incompatibilities with Other Materials:** Strong oxidizing agents, strong bases, strong acids,  
Strong reducing agents.

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity:** LD<sub>50</sub> > 5000 mg/kg, for male and female rats.

**Acute Dermal Toxicity:** LD<sub>50</sub> for rats > 2000 mg/kg.

**Acute Inhalation Toxicity:** LD<sub>50</sub> for rats > 1.98 mg/ℓ air.

**Acute Skin Irritation:** Non-irritant (Rabbit).

**Acute Eye Irritation:** Non-irritant (Rabbit).

**Skin Sensitization:** Slight Sensitizing (Guinea Pig)

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## 12. ECOLOGICAL AND ECOTOXICOLOGICAL INFORMATION

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**TOXICITY FOR BIRD, FISH, BEE, SILKWORM:** Not harmful under normal use, low risk.

**Bird:** Acute Oral LC<sub>50</sub> for quail (7d) >1000mg/kg.

**Fish:** Acute LC<sub>50</sub> (96hr) for Zebrafish 49.77mg/l.

**Silkworm:** LC<sub>50</sub> >6000mg/kg (folium mori).

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## 13. DISPOSAL CONSIDERATIONS

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**Product:** Dispose of as hazardous waste. Burn only in controlled high temperature incinerator. Keep out of drains, sewers, ditches and water ways.

**Container:** Triple rinse according to directions on label. Do not reuse product containers for any other purpose.

Dispose of product containers, waste containers, and residues according to local, regional, national and international regulations.

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## 14. TRANSPORT INFORMATION

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Shipment as Non-dangerous Goods. Use unbreakable containers, make sure they cannot fall, and label in accordance with regulations.

UN No.: 3082

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## 15. REGULATORY INFORMATION

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**European/International Regulations.**

**European Labeling in accordance with EC Directives.**

**Other in accordance with Local Regulatory requirements.**

**Hazard Symbols:** TN

**Risk phrase(s)**

**R24: Toxic in contact with skin.**

**R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**

**Safety phrase(s)**

S28: After contact with skin, wash immediately with plenty water.

S36/37/39: Wear suitable protective clothing, wear suitable gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

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**16. OTHER INFORMATION**

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All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the company.

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