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SAFETY DATA SHEET
Picoxystrobin Technical

1. Identification of the Substance and Supplier

- **Product Name:** Picoxystrobin Technical
- **Chemical Name:** Methyl (E)-α-methoxyimino-2-[2-(2-pyridinyloxy)phenyl]-3-methoxyacrylate
- **CAS Number:** 117428-22-5
- **EC Number:** 429-800-1
- **Molecular Formula:** C18H16N2O4
- **Intended Use:** Fungicide for agricultural applications (used for controlling fungal diseases in crops)
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

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2. Hazard Identification

- **Classification (GHS):**
  - Acute Toxicity (Oral): Category 4
  - Skin Sensitization: Category 1
  - Hazardous to the Aquatic Environment (Acute): Category 1
  - Hazardous to the Aquatic Environment (Chronic): Category 1
- **Signal Word: Warning**
- **Hazard Statements:**
  - H302: Harmful if swallowed.
  - H317: May cause an allergic skin reaction.
  - H400: Very toxic to aquatic life.
  - H410: Very toxic to aquatic life with long-lasting effects.
- **Precautionary Statements:**
  - P273: Avoid release into the environment.

- P280: Wear protective gloves and eye protection.
- P301+P312: If swallowed, call a poison center if you feel unwell.
- P391: Collect spillage.
- P501: Dispose of contents/container in accordance with local regulations.

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3. Composition/Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Picoxystrobin Technical	117428-22-5	≥ 95%
Inert Ingredients	-	≤ 5%

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4. First-Aid Measures

- **Inhalation:** Move the affected person to fresh air immediately. If breathing difficulties occur, seek medical attention.
- **Skin Contact:** Wash affected area thoroughly with soap and water. Remove contaminated clothing. If irritation or allergic reaction develops, seek medical advice.
- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if present. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek immediate medical advice.

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5. Fire-Fighting Measures

- **Extinguishing Media:** Use water spray, foam, dry chemical powder, or carbon dioxide.
- **Special Hazards:** Combustion may produce toxic gases including carbon monoxide, carbon dioxide, and nitrogen oxides.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus (SCBA) and full protective clothing.

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6. Accidental Release Measures

- **Personal Precautions:** Wear appropriate personal protective equipment (PPE), including gloves, goggles, and a respirator. Avoid dust inhalation.
- **Environmental Precautions:** Prevent spillage from entering waterways, drains, or soil. Highly toxic to aquatic life.
- **Cleanup Methods:** Contain the spill with inert absorbent material (e.g., sand or soil). Collect and dispose of in accordance with local regulations.

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7. Handling and Storage

- **Handling:** Use in a well-ventilated area. Avoid inhalation, skin contact, and eye exposure. Use PPE when handling the product.
- **Storage:** Store in a cool, dry, and well-ventilated area. Keep away from direct sunlight, heat sources, and incompatible materials. Keep container tightly closed.

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8. Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** No specific exposure limits established.
- **Engineering Controls:** Use appropriate local exhaust ventilation to minimize exposure.
- **Personal Protective Equipment:**
    - **Respiratory Protection:** Wear an approved respirator if dust is generated.
    - **Hand Protection:** Chemical-resistant gloves.
    - **Eye Protection:** Safety goggles or face shield.
    - **Skin Protection:** Protective clothing and boots.

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9. Physical and Chemical Properties

Property	Value
Appearance	Off-white to light yellow powder
Odor	Mild characteristic odor
pH (1% solution)	6.0–8.0
Melting Point	83–85°C
Solubility in Water	1.23 mg/L at 20°C
Density	~1.2 g/cm³
Vapor Pressure	3.6×10^{-8} Pa at 25°C
Partition Coefficient (log Kow)	3.2

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10. Stability and Reactivity

- **Stability:** Stable under normal storage and handling conditions.
- **Incompatible Materials:** Strong oxidizing agents and strong acids.
- **Hazardous Decomposition Products:** May emit carbon monoxide, carbon dioxide, and nitrogen oxides during combustion.
- **Conditions to Avoid:** Excessive heat, direct sunlight, and moisture.

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11. Toxicological Information

- **Acute Oral Toxicity (LD50):** 600 mg/kg (rat)
- **Acute Dermal Toxicity (LD50):** >2000 mg/kg (rat)
- **Inhalation Toxicity:** Not classified
- **Skin Irritation:** May cause mild irritation
- **Eye Irritation:** Slightly irritating to eyes

- **Sensitization:** May cause allergic skin reaction
- **Chronic Toxicity:** Prolonged exposure may affect liver function

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12. Ecological Information

- **Ecotoxicity:**
  - Fish (Rainbow Trout): LC50 = 0.0017 mg/L (96 hours)
  - Daphnia magna: EC50 = 0.002 mg/L (48 hours)
  - Algae: EC50 = 0.008 mg/L (72 hours)
- **Persistence and Degradability:** Moderately persistent in the environment.
- **Bioaccumulative Potential:** Low potential for bioaccumulation.
- **Mobility in Soil:** Low mobility in soil due to high adsorption.

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13. Disposal Considerations

- **Waste Disposal:** Dispose of this chemical in accordance with local, regional, and national environmental regulations.
- **Contaminated Packaging:** Dispose of in compliance with local regulations as hazardous waste.

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14. Transport Information

UN Number	**3077**
Proper Shipping Name	Environmentally Hazardous Substance, Solid, N.O.S. (Picoxystrobin)
Transport Hazard Class	9 (Miscellaneous dangerous substances)
Packing Group	III
Environmental Hazards	Marine pollutant

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15. Regulatory Information

- **Regulatory Status:** Complies with relevant national and international chemical safety regulations.
- **GHS Label Elements:**
  - Hazard Pictograms: ⚠️
  - Signal Word: **Warning**
  - Risk Phrases: R22 (Harmful if swallowed), R43 (May cause sensitization by skin contact), R50/53 (Very toxic to aquatic organisms, may cause long-term adverse effects)
  - Safety Phrases: S36/37 (Wear suitable protective clothing and gloves), S61 (Avoid release to the environment)

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16. Other Information

- **Disclaimer:** The information provided in this document is believed to be accurate as of the issue date. No warranty is made concerning its accuracy or completeness. Always consult local regulations before handling or disposal.