

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

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SAFETY DATA SHEET
Bispyribac Sodium Technical

1. Chemical Product and Company Identification

- **Product Name:** Bispyribac Sodium Technical
- **Chemical Name:** Sodium 2,6-bis[(4,6-dimethoxypyrimidin-2-yl)oxy]benzoate
- **CAS Number:** 125401-92-5
- **Intended Use:** Herbicide for agricultural applications
- **Supplier/Manufacturer:** Cocreate Global Technologies Private Limited

2. Hazard Identification

- **GHS Classification:**
 - **Eye Irritation:** Category 2
 - **Skin Sensitization:** Category 1
 - **Aquatic Toxicity:** Acute & Chronic - Category 1
- **Signal Word:** Danger
- **Hazard Statements:**
 - Causes serious eye irritation
 - May cause an allergic skin reaction
 - Very toxic to aquatic life

3. Composition and Information on Ingredients

- **Active Ingredient:** Bispyribac Sodium (≥95% purity)
 - **Inert Ingredients:** Balance (<5%)
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4. First-Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing. Seek medical advice if irritation occurs.
 - **Eye Contact:** Rinse with water for several minutes. Remove contact lenses. Seek medical attention if irritation persists.
 - **Ingestion:** Rinse mouth, do not induce vomiting. Seek medical advice if symptoms develop.
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5. Fire-Fighting Measures

- **Extinguishing Media:** Water spray, foam, dry chemical, CO₂.
 - **Fire Hazards:** May emit toxic fumes under fire conditions.
 - **Protective Equipment:** Wear self-contained breathing apparatus and protective clothing.
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6. Accidental Release Measures

- **Personal Precautions:** Use PPE. Avoid direct contact with spilled material.
 - **Environmental Precautions:** Prevent contamination of water sources.
 - **Cleanup Methods:** Contain spill, collect with absorbent material, and dispose of per regulations.
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7. Handling and Storage

- **Handling:** Avoid direct contact with skin, eyes, and clothing. Use protective equipment.
 - **Storage:** Store in a cool, dry, and well-ventilated area at **2-10°C**, away from direct sunlight.
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8. Exposure Controls and Personal Protection

- **Engineering Controls:** Ensure proper ventilation.
 - **PPE Requirements:**
 - **Respiratory Protection:** Dust mask (if necessary).
 - **Hand Protection:** Chemical-resistant gloves.
 - **Eye Protection:** Safety goggles.
 - **Skin Protection:** Long-sleeved clothing and protective shoes.
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9. Physical and Chemical Properties

- **Appearance:** White to slightly red powder
 - **Odor:** Odorless
 - **Melting Point:** 223°C
 - **Solubility:** 6.75 g/100 mL in water
 - **pH (1% Solution):** 8.8
 - **Partition Coefficient (log Pow):** -1.03
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10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions.
 - **Conditions to Avoid:** High temperatures, direct sunlight, moisture.
 - **Incompatible Materials:** Strong oxidizing agents.
 - **Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides.
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11. Toxicological Information

- **Acute Toxicity:**
 - **Oral LD50 (Rat):** 2635 mg/kg
 - **Dermal LD50 (Rat):** >4000 mg/kg
 - **Inhalation LC50 (Rat, 4h):** >4.48 mg/L
 - **Skin Irritation:** Non-irritant
 - **Eye Irritation:** Causes serious eye irritation
 - **Skin Sensitization:** May cause an allergic reaction
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12. Ecological Information

- **Aquatic Toxicity:**
 - **Fish (96h LC50):** >100 mg/L
 - **Daphnia (48h EC50):** >100 mg/L
 - **Algae (72h EC50):** 1.7 mg/L
 - **Bird Toxicity:**
 - **Oral LD50 (Bobwhite Quail):** >2250 mg/kg
 - **Dietary LC50 (Mallard Duck):** >5620 mg/kg
 - **Environmental Impact:** Toxic to aquatic life.
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13. Disposal Considerations

- **Waste Disposal:** Dispose of in accordance with local and national regulations.
 - **Packaging Disposal:** Triple rinse empty containers and follow disposal regulations.
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14. Transport Information

- **UN Number:** Not classified as hazardous for transport.
 - **Hazard Class:** Not applicable
 - **Packing Group:** Not applicable
 - **Marine Pollutant:** Yes
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15. Regulatory Information

- **U.S. EPA Registration:** Required for agricultural use.
 - **EU Classification:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - **GHS Labeling:** Hazardous chemical requiring safety precautions.
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16. Other Information

- **Disclaimer:** The information provided is to the best of our knowledge but does not constitute a warranty. Users should conduct their own risk assessments.