

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

Website: www.scimplify.com



SAFETY DATA SHEET

Spiromesifen Technical

1. Chemical Product and Company Identification

- **Product Name:** Spiromesifen Technical
- **Chemical Name:** Spiromesifen ($C_{23}H_{30}O_4$)
- **Intended Use:** Insecticide/Acaricide
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

2. Hazards Identification

- **Hazard Classification:** Skin Sensitizer, Specific Target Organ Toxicity (Repeated Exposure), Aquatic Toxicity
- **Signal Word:** Warning
- **Hazard Statements:**
 - May cause an allergic skin reaction
 - May cause damage to organs through prolonged exposure
 - Very toxic to aquatic life with long-lasting effects
- **Precautionary Statements:** Avoid inhalation, wear protective clothing, and prevent release into the environment

3. Composition/Information on Ingredients

- **Active Ingredient:** Spiromesifen ($\geq 95\%$)
- **CAS Number:** 283594-90-1
- **Other Ingredients:** Non-hazardous formulation aids

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4. First Aid Measures

- **Inhalation:** Move to fresh air, seek medical attention if symptoms persist
 - **Skin Contact:** Wash thoroughly with soap and water; remove contaminated clothing
 - **Eye Contact:** Rinse with water for at least 15 minutes; seek medical advice if irritation persists
 - **Ingestion:** Rinse mouth, do **not** induce vomiting; seek medical attention immediately
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5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂
 - **Special Hazards:** Emits toxic fumes when burned (carbon oxides)
 - **Firefighter Protection:** Wear self-contained breathing apparatus and protective gear
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6. Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment (PPE)
 - **Environmental Precautions:** Avoid contamination of water sources
 - **Cleanup Methods:** Contain spill, collect material with absorbent, dispose of as per regulations
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7. Handling and Storage

- **Handling:** Avoid inhalation and skin contact; use in well-ventilated areas
 - **Storage:** Keep in a cool, dry, and well-ventilated place; store away from food and feed
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8. Exposure Controls/Personal Protection

- **Engineering Controls:** Adequate ventilation required
- **Personal Protection:**
 - **Eyes:** Safety goggles
 - **Skin:** Chemical-resistant gloves, long-sleeved clothing

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- **Respiratory:** Mask/respirator if ventilation is inadequate
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9. Physical and Chemical Properties

- **Appearance:** Light brown solid
 - **Odor:** Mild, characteristic
 - **Melting Point:** ~98°C
 - **Solubility:** Practically insoluble in water
 - **Vapor Pressure:** Low
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions
 - **Hazardous Reactions:** None expected under normal use
 - **Decomposition Products:** Carbon oxides under high heat
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11. Toxicological Information

- **Acute Toxicity:** Low acute toxicity
 - **Skin Sensitization:** May cause allergic reactions
 - **Repeated Exposure:** May affect the thyroid, adrenal glands, and digestive tract
 - **Carcinogenicity:** No evidence of carcinogenic effects
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12. Ecological Information

- **Toxicity:** Very toxic to aquatic organisms
- **Persistence:** Not rapidly biodegradable
- **Bioaccumulation:** Does not significantly bioaccumulate
- **Soil Mobility:** Low mobility in soil

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13. Disposal Considerations

- **Waste Disposal:** Dispose of according to local regulations
- **Container Disposal:** Do not reuse containers; triple rinse and follow disposal guidelines

14. Transport Information

- **UN Number:** UN3077
- **Proper Shipping Name:** Environmentally hazardous substance, solid, n.o.s. (Spiromesifen)
- **Hazard Class:** 9 (Miscellaneous Dangerous Substances)
- **Packing Group:** III
- **Environmental Hazards:** Marine pollutant

15. Regulatory Information

- **Global Regulations:** Complies with pesticide regulations in applicable regions
- **US EPA Status:** Registered pesticide (EPA Reg. No. [Enter No.])
- **EU Classification:** Classified as hazardous under CLP regulation

16. Other Information

- **Disclaimer:** The information provided here is based on available data and is accurate to the best of our knowledge. Users must ensure compliance with all applicable regulations.