

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

Thiamethoxam Technical

1. Chemical Product and Company Identification

- **Product Name:** Thiamethoxam Technical
- **IUPAC Name:** 3-(2-chloro-1,3-thiazol-5-ylmethyl)-5-methyl-1,3,5-oxadiazinan-4-ylidene(nitro)amine
- **Manufacturer / Supplier:** Cocreate Global Technologies Private Limited

2. Composition / Information on Ingredients

Component	CAS Number	Content (%)
Thiamethoxam	153719-23-4	98.0%
Other Ingredients	—	2.0%

3. Hazards Identification

- **Eye and Skin Contact:** Causes **mild irritation**.
- **Thermal Decomposition:** Can form **toxic gases** at high temperatures.

4. First Aid Measures

- **Ingestion:** Do **not induce vomiting**. Sip water if conscious. Seek medical help immediately.
- **Eye Contact:** Rinse with water for **15-20 minutes**, remove contact lenses after **5 minutes**, and continue rinsing. Seek medical attention.
- **Skin Contact:** Remove contaminated clothing and wash with **soap and water for 15-20 minutes**.
- **Inhalation:** Move to fresh air, provide artificial respiration if necessary, **call emergency services immediately**.

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



5. Fire-Fighting Measures

- **Flash Point:** 208°F (98°C)
- **Fire Hazards:** May release **toxic gases (HCl, NO_x, CO)** upon decomposition.
- **Extinguishing Media:** Dry chemical, **foam**, CO₂.
- **Protective Equipment:** SCBA (Self-Contained Breathing Apparatus) and **full protective gear**.
- **Environmental Protection:** Prevent **water runoff** from entering water bodies.

6. Accidental Release Measures

- **Containment:** Prevent spread to **soil, drainage, or water sources**.
- **Cleanup Process:**
 - Absorb spills with **sand or inert material**.
 - Scrub area with **hard water detergent**.
 - Collect waste in **sealed containers** for disposal.

7. Handling and Storage

- **Handling Precautions:**
 - **Do not inhale dust**, avoid **skin and eye contact**.
 - **No eating, drinking, or smoking** near handling areas.
 - **Storage Conditions:**
 - **Store in a well-ventilated, secure area**.
 - **Keep away from food, beverages, and tobacco**.
 - **Wash hands and exposed skin after handling**.
-

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



8. Exposure Controls / Personal Protection

- **Ventilation:** Provide local exhaust or general ventilation.
- **Personal Protective Equipment (PPE):**
 - **Respiratory:** Use approved dust mask if ventilation is inadequate.
 - **Hands:** Rubber or plastic gloves.
 - **Eyes:** Safety goggles or face shield.
 - **Body:** Protective overalls and closed footwear.

9. Physical and Chemical Properties

Property	Value
Melting Point	135°C
Density	1.57 g/cm ³ at 20°C
Vapor Pressure	6.6 × 10 ⁻⁹ Pa at 20°C
Solubility in Water	4.1 g/L
Solubility in Acetone	48 g/L
Solubility in Methanol	13 g/L
pH (1% Solution in Water)	5 - 7

10. Stability and Reactivity

- **Stability:** Stable under normal storage and handling conditions.
- **Hazardous Polymerization:** Will not occur.
- **Incompatible Materials:** None known.
- **Decomposition Products:** May release toxic gases (HCl, NO_x, CO) at high temperatures.

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



11. Toxicological Information

Toxicity Parameter	Result
Oral LD50 (Rat)	>5000 mg/kg
Dermal LD50 (Rabbit)	>2000 mg/kg
Inhalation LC50 (Rat, 4h)	>2.67 mg/L air
Eye Irritation (Rabbit)	Minimally irritating
Skin Irritation (Rabbit)	Slightly irritating
Skin Sensitization (Guinea Pig)	Not a sensitizer

12. Ecological and Ecotoxicological Information

- **Practically non-toxic to fish, birds, and invertebrates.**
- **Highly toxic to bees.**
- **Eco-Acute Toxicity:**

Species	LC50 / EC50
Bees	0.024 µg/bee
Water Flea (Daphnia)	>100 ppm
Rainbow Trout (96h LC50)	>100 ppm
Bluegill Fish (96h LC50)	>114 ppm
Bobwhite Quail (8-day dietary LC50)	>5200 ppm
Mallard Duck (8-day dietary LC50)	>5200 ppm

- **Environmental Fate:**
 - **Not persistent in soil.**

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



- **Stable in water.**
- **Moderate mobility in soil.**
- **Floats in water (after 24h).**

13. Disposal Considerations

- **Do not reuse empty containers.**
- **Dispose of product waste as per local environmental regulations.**

14. Transport Information

Transport Mode **NA**

UN Number **NA**

Proper Shipping Name **NA**

Class **NA**

Packing Group **NA**

Marine Pollutant **NA**

15. Regulatory Information

- **Hazard Symbols:** **A**
 - **H302:** Harmful if swallowed.
 - **H400:** Very toxic to aquatic life.
 - **H410:** Very toxic to aquatic life with long-lasting effects.
- **Safety Measures:**
 - **S45:** In case of accident or feeling unwell, seek medical advice immediately.

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



16. Other Information

- **Disclaimer:**
 - **Information is provided based on best knowledge but does not guarantee absolute accuracy.**
 - **Users must assess safety based on specific applications.**