

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

Novaluron Technical

1. Chemical Product and Company Information

- **Product Name:** Novaluron Technical
- **Common Name:** Novaluron
- **CAS Number:** 116714-46-6
- **Chemical Formula:** $C_{17}H_9ClF_8N_2O_4$
- **Molecular Weight:** 492.7 g/mol
- **Use:** Insecticide
- **Supplier/Customer:** Cocreate Global Technologies Private Limited

2. Composition / Information on Ingredients

- **Novaluron Content:** 96.00% (w/w)
- **Other Ingredients:** 4.00% (w/w)

3. Hazards Identification

- **Health Hazards:**
 - Harmful if swallowed or inhaled
 - Causes eye and skin irritation
 - Symptoms: Nausea, vomiting, diarrhea, headache, confusion, electrolyte depletion

4. First Aid Measures

- **Ingestion:** Do not induce vomiting, rinse mouth, drink water, seek medical help.
- **Eye Contact:** Flush with water, seek medical attention if irritation persists.
- **Skin Contact:** Remove contaminated clothing, wash thoroughly with water and soap.
- **Inhalation:** Move to fresh air, seek medical help if symptoms persist.

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

- **Extinguishing Media:** CO₂, foam, dry chemical, soft water fog.
- **Hazardous Combustion Products:** Carbon, nitrogen, sulfur oxides.
- **Protective Equipment:** Self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Isolate spill area and prevent material from entering drains/waterways.
- Absorb spill with sand, clay, or cat litter.
- Dispose of waste as per regulations.

7. Handling and Storage

- Store in a **cool, well-ventilated area**, away from fertilizers, pesticides, and food.
- Keep containers tightly closed.
- **Avoid contact** with eyes and skin.

8. Exposure Controls / Personal Protection

- **Eye Protection:** Safety goggles, face shield.
- **Skin Protection:** Chemical-resistant gloves, coveralls.
- **Respiratory Protection:** NIOSH/MSHA-approved respirator if required.

9. Physical and Chemical Properties

- **Color:** Off-white
- **Odor:** Odorless
- **Physical State:** Solid
- **Melting Point:** 176.5°C – 178°C
- **Vapor Pressure:** 1.6×10^{-2} mPa (25°C)
- **Water Solubility:** 3 µg/L at 25°C

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



10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Direct sunlight.
- **Incompatible Materials:** Strong oxidizers, bases, chlorates, nitrates.
- **Hazardous Decomposition Products:** Carbon monoxide, cyanide ion, nitrogen oxides.

11. Toxicological Information

- **Acute Oral LD50 (Rat):** >5000 mg/kg
- **Acute Dermal LD50 (Rat):** >2000 mg/kg
- **Acute Inhalation LC50 (Rat, 4h):** >5.15 mg/L
- **Skin Irritation:** Non-irritating
- **Eye Irritation:** Non-irritating
- **Skin Sensitization:** Not a sensitizer

12. Ecological Information

- **Bird Toxicity (Mallard Duck LD50):** >2000 mg/kg
- **Fish Toxicity (Rainbow Trout LC50, 96h):** >1 mg/L
- **Daphnia LC50 (48h):** 0.259 µg/L
- **Bee Toxicity:** LD50 (48h) Oral & Contact >100 µg/bee
- **Worm Toxicity:** Non-toxic

13. Disposal Considerations

- Dispose of as hazardous waste, following local regulations.
- **Do not burn empty containers or the product.**

14. Transport Information

- **Shipping Name:** Environmentally hazardous substance, solid, n.o.s.
- **UN Number:** 3077
- **Class:** 9 (Miscellaneous hazardous substances)

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



- **Packing Group:** III
- **Marine Pollutant:** Yes

15. Regulatory Information

- **Risk Phrase:** R22 (Harmful if swallowed)
- **Safety Phrases:**
 - S2: Keep out of reach of children.
 - S37/39: Wear suitable gloves and eye/face protection.
 - S46: If swallowed, seek medical advice immediately.
 - S61: Avoid release into the environment.