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.
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SAFETY DATA SHEET
Imidacloprid 30.5% SC

1. Identification

- **Product Name:** Imidacloprid 30.5% SC
- **Chemical Name:** (E)-1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine
- **Molecular Formula:** $C_9H_{10}ClN_5O_2$
- **Intended Use:** Insecticide
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

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2. Composition / Information on Ingredients

- **Active Ingredient:** Imidacloprid Technical (CAS No. 138261-41-3) - **30.05%**
- **Other Ingredients: 69.95%**

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3. Health Hazards Identification

- **Ingestion:** Harmful if swallowed.
- **Inhalation:** Avoid inhalation of dust.
- **Eye Contact:** Mild irritant.
- **Skin Contact:** May be harmful if absorbed through the skin.

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4. First Aid Measures

- **Eye Contact:** Flush with **water or eyewash solution** for several minutes. Remove contact lenses and rinse again. Seek medical attention if irritation persists.
- **Skin Contact:** Remove contaminated clothing, wash with **soap and water**. Seek medical help if irritation develops.
- **Ingestion: Do not induce vomiting**. Drink **milk or water** to dilute. Seek immediate medical attention.

- **Inhalation:** Move victim to fresh air. Seek medical attention if discomfort persists.
- **Note to Physician: No specific antidote**. Treat symptomatically and supportively.

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5. Fire-Fighting Measures

- **Flammability:** Not flammable.
- **Suitable Extinguishing Media: Foam, dry chemical, CO_2.**
- **Special Firefighting Precautions:**
  - Keep out of **smoke**.
  - **Cool closed containers** exposed to fire.
  - **Dike area** to prevent water contamination.
  - Use **self-contained breathing apparatus (SCBA)**.
- **Hazardous Decomposition Products:** May produce **hydrogen chloride, hydrogen cyanide, carbon oxides, and nitrogen oxides**.

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6. Accidental Release Measures

- **Spill Control:**
  - **Contain the spill** to prevent soil/water contamination.
  - **Sweep up small spills**, place in a **sealed container** for disposal.
  - **Use an industrial vacuum** for large spills, then **shovel into containers**.
- **Environmental Precautions:** Prevent entry into **waterways, drains, or soil**.

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7. Handling and Storage

- **Handling Precautions:**
  - **Avoid skin, eye contact, and inhalation**.
  - **Wash hands** thoroughly after handling.

- Remove contaminated clothing immediately.

- **Storage Conditions:**
  - Store in a **well-ventilated, secure area**.
  - Keep **away from food, beverages, and tobacco**.
  - Do **not contaminate water, food, or feed**.

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8. Exposure Controls / Personal Protection

- **Eye Protection:** Wear **protective eyewear** in confined spaces.
- **Skin Protection:**
  - **Long-sleeved shirts, long pants, gloves, chemical-resistant boots**.
  - **Approved gloves:** Butyl rubber, nitrile, neoprene, PVC, or Viton.
- **Ingestion Precautions: Do not eat, drink, or smoke** in exposed areas.
- **Respiratory Protection:** Normally not required, but recommended if dust exposure is high.
- **Other Precautions: Wash contaminated clothing separately**.

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9. Physical and Chemical Properties

- **Appearance:** Light brown granular solid
- **Odor:** Mild
- **pH:** 6–8
- **Water Solubility:** Dispersible

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10. Stability and Reactivity

- **Stability:** Stable under **normal temperature and pressure**.
- **Conditions to Avoid:** Avoid **dust formation**.
- **Hazardous Decomposition Products:** May produce **carbon dioxide, carbon monoxide, and nitrogen oxides**.

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11. Toxicological Information

- **Acute Oral Toxicity (LD50, Rats): 981 mg/kg**
- **Acute Dermal Toxicity (LD50, Rabbits): >5000 mg/kg**
- **Acute Inhalation (LC50, Rats): >2.919 mg/L**
- **Eye Irritation (Rabbit): Non-irritant**
- **Skin Irritation (Rabbit): Non-irritant**
- **Skin Sensitization (Guinea Pig): Non-sensitizer**

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12. Ecological Information

- **Bird Toxicity:**
  - **Japanese Quail LC50: 31 mg/kg**
  - **Bobwhite Quail LC50: 152 mg/kg**
  - **Dietary LC50 (5 days, Bobwhite Quail): 2225 mg/kg**
  - **Mallard Ducks LC50: >5000 mg/kg**
- **Fish Toxicity:**
  - **Golden Orfe LC50 (96h): 237 mg/L**
  - **Rainbow Trout LC50 (96h): 211 mg/L**
- **Bee Toxicity: Harmful to honeybees upon direct contact**.

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13. Disposal Considerations

- **Waste Disposal:**
  - Improper disposal **violates federal law**.
  - **Pesticide waste and rinse water** must be disposed of per **local, state, and federal** regulations.
- **Container Disposal:**
  - Triple-rinse before disposal.
  - Follow **hazardous waste disposal regulations**.

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14. Transport Information

- **UN Number: 2588**
- **Proper Shipping Name: PESTICIDE, SOLID, TOXIC, N.O.S.**
- **Hazard Class: 6.1 (Toxic Substances)**
- **Packing Group: III**
- **IMDG (Marine Transport):**
  - **Class:** 6.1
  - **Marine Pollutant:** Yes
- **IATA (Air Transport):**
  - **Class:** 6.1
  - **Packing Instructions: Y619/619**

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15. Regulatory Information

- **EU Classification: Xn (Harmful)**
- **Risk Phrases (R-Phrases):**
  - **R22:** Harmful if swallowed.
  - **R52/53:** Harmful to aquatic organisms, may cause long-term adverse effects in the environment.
- **Safety Phrases (S-Phrases):**
  - **S61:** Avoid release into the environment.
- **WHO Toxicity Classification: II (Highly Toxic/Hazardous)**

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16. Other Information

- **Disclaimer:**
  - Information is believed accurate but **no warranty is provided**.
  - Users must **verify suitability for their specific applications**.
  - Manufacturer assumes **no liability** for misuse.
