

# 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             |
|-------------------------------|
| Paraquat Dichloride Technical |

## 1. Identification of the Substance

- **Product Name:** Paraquat Dichloride Technical
- **CAS Number:** 1910-42-5
- **Use:** Herbicide
- **Supplier/Manufacturer:** Cocreate Global Technologies Private Limited

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## 2. Composition / Ingredients

| Component                               | Concentration |
|-----------------------------------------|---------------|
| Paraquat Dichloride (Active Ingredient) | 42.00% (min.) |
| Other associated impurities             | 58.00% (max.) |

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## 3. Hazard Identification

- **Inhalation:** Causes **cough, labored breathing, sore throat**
- **Skin Contact:** Harmful if absorbed
- **Eye Contact:** Causes **substantial but temporary eye injury**
- **Ingestion:** **Fatal if swallowed**

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## 4. First Aid Measures

- **Inhalation:** Move to fresh air, maintain **half-upright position, artificial respiration** if needed, seek medical help.
- **Skin Contact:** Flush skin with **running water for 20 minutes**, remove contaminated clothing, repeat flushing if irritation persists, seek medical attention.

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- **Eye Contact:** Rinse with **plenty of water**, remove contact lenses if possible, seek medical attention.
- **Ingestion:** Rinse mouth, **give water or bentonite clay slurry, activated charcoal**, induce vomiting only if conscious, seek medical attention immediately.

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### 5. Accidental Release Measures

- Prevent entry into **sewers or water bodies**
- Absorb with **dry materials** like sand or sawdust
- Dispose of contaminated material properly

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### 6. Fire Fighting Measures

- **Flash Point:** 194°F (90°C)
- **Autoignition Temperature:** >1157°F (625°C)
- **Flammability:** Combustible
- **Extinguishing Media:**
  - Powder, water spray, foam, carbon dioxide
- **Hazardous Combustion Products:**
  - Irritating & toxic gases including nitrogen oxides, hydrogen chloride
- **Fire Precautions:**
  - Wear **full protective clothing**
  - Prevent runoff contamination

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### 7. Handling & Storage

- **Handling Precautions:**
  - Wear **impervious clothing, gloves, closed footwear**
  - Use **flash-proof and dust-resistant goggles**

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- **Storage Conditions:**

- Keep in **original container, tightly closed**
  - Store in a **cool, dry, ventilated place, locked away from children, food, animals**
  - Avoid storage **near ignition sources or incompatible substances**
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### 8. Exposure Controls / Personal Protection

- **Technical Protection:** None required
  - **Exposure Limits:** Not established
  - **Personal Protective Equipment (PPE):**
    - **Respiratory:** Wear **suitable mask**
    - **Hand Protection:** **Impervious gloves**
    - **Eye Protection:** **Flash-proof, dust-resistant goggles**
    - **Skin Protection:** **Impervious clothing, closed footwear**
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### 9. Physical & Chemical Properties

| Property       | Value                  |
|----------------|------------------------|
| Appearance     | Blue or Green Liquid   |
| Density        | 1.15 g/cm <sup>3</sup> |
| Vapor Pressure | < 0.1 mPa              |
| pH             | 2.0 – 6.0              |

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### 10. Stability & Reactivity

- **Stability:** Stable under **normal conditions**
- **Reactivity:**

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- Decomposes under **UV light**, producing **toxic fumes**
- Reacts with **oxidants and bases (hydrolysis)**
- **Hazardous Decomposition Products:**
  - **Nitrogen oxides, hydrogen chloride**

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### 11. Toxicological Information

| Test                                        | Result           |
|---------------------------------------------|------------------|
| Acute Oral LD <sub>50</sub> (Female Rats)   | 90.9 mg/kg       |
| Acute Oral LD <sub>50</sub> (Male Rats)     | 88.0 mg/kg       |
| Acute Dermal LD <sub>50</sub> (Female Rats) | 287 mg/kg        |
| Acute Dermal LD <sub>50</sub> (Male Rats)   | 237 mg/kg        |
| Eye Irritation (Rabbit)                     | Moderate         |
| Skin Irritation (Rabbit)                    | Slight           |
| Skin Sensitization                          | Not a sensitizer |

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### 12. Ecological Information

- **Toxic to Wildlife**
- **No data available on chronic toxicity**
- **Environmental Fate:**
  - **No data on formulation**
  - **Paraquat Dichloride is highly toxic to aquatic life**

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### 13. Disposal Considerations

- **Pesticide Disposal:** Dispose on-site per **label instructions** or at an **approved waste facility**

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- **Container Disposal:**

- Completely **empty bags before disposal**
  - Follow **EPA and local disposal regulations**
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### **14. Transport Information**

- **Not applicable**
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### **15. Regulatory Information**

- **Not applicable**
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### **16. Other Information**

- **Disclaimer:**
  - Information is **based on current knowledge**
  - **Users must ensure proper handling, disposal, and transfer of safety data**