

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 24% SL

1. Identification of the Substance

- **Product Name:** Paraquat Dichloride 24% SL
- **CAS Number:** 1910-42-5
- **Use:** Herbicide
- **Supplier/Manufacturer:** Cocreate Global Technologies Private Limited

2. Composition / Ingredients

Component	Concentration
Paraquat Dichloride	24.17% (min.)
Other associated impurities	(other concentration)

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**

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.

5. Accidental Release Measures

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

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

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 ³
Vapor Pressure	< 0.1 mPa
pH	2.0 – 6.0

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**

11. Toxicological Information

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

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**

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**