

## Paraquat

Paraquat 42%Tech,20%EC

**Common Name:** Paraquat

**Chemical Name:** 1,1'-dimethyl-4,4'-bipyridilium ion

**CAS Registration No.:** 1910-42-5

### Specification

**Active Ingredients:** Paraquat technical material, Not less than 42%;

Aqueous solution: Not less than 20%

**Appearance:** White crystalline solids

**Relative Density:** 1.24-1.26 ( 20 degree centigrade / 20 degree centigrade )

**Melting Point:** 300 degree centigrade

**Solubility:** Freely soluble in water; Practically insoluble in hydrocarbons; Sparingly soluble in lower alcohol. Seldom insoluble in organic solvents. Stable in acidic and neutral substances. It easily hydrolyses in alkaline substances and degrades under strong light irradiation. It can be inactivated by inert slit loam and negative surfactivity. Direct metal contact should be avoided because of its corrosiveness. Paraquat dichloride (42-50% a. i.) appears dark brown.

### Toxicity Status: Oral:

LD50 rat (Acute): 112-150 mg/kg

LD50 mice (Acute): 104 mg/kg

Dermal: LD50 rat, 500 mg/kg

LD50 rabbit: 204 mg/kg

Eye & Skin Irritation, Moderate

Oral: NED dog, 20ppm

Dermal: NED rabbit (Sub-acute), 2.8mg/kg

Inhalation: NED rat (Sub-acute), 0.1ug/l

Oral: NED rat (chronic), 180ppm

Oral: NED dog (chronic), 35ppm

Carcinogenic, teratogenic and mutative effects were not observed.

LC50 (rainbow trout, 48hours): 62mg/L

LC50 (Carp, 48hours): 40mg/L

LD50 (Chicken): 300-380mg/kg

LD50 (bee): 11ug/L

LD50 (bird): 950-100000mg/kg

**Storage:** Stored in a cool dry place.

**Expiration Period:** At least two years.

**Packaging:** 25kg/fiber drum for tech; 200kg/iron drum for SL ,Make adjustments according to customers' requirements.