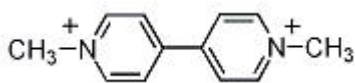


TECHNICAL DATA SHEET OF

Paraquat 20% SL

Chemistry identity	
Common name	Paraquat 20% SL
IUPAC name	1,1'-dimethyl-4,4'-bipyridinediium; 1,1'-dimethyl-4,4'-bipyridinium; 1,1'-dimethyl-4,4'-bipyridylum
CAS No	4685-14-7
Formula structure	
Physical and chemical properties	
Appearance	Dark blue to green
Content	20% (w/w)
pH	4.0~6.0
Solubility in water	Soluble in water
Mammalian toxicity	
Acute oral	LD ₅₀ >129-180 mg/kg (Paraquat dichloride)
Acute dermal	LD ₅₀ for rats >1000 mg/kg (Paraquat dichloride)
Acute inhalation	LC ₅₀ (4 h) for rats > 0.0006 mg/L air (based on similar formulation)
Environment fate	Paraquat is rapidly and strongly adsorbed to soil and sediment (K _{oc} values between 8000 and 40000000 ml/g), resulting in complete deactivation. When adsorbed to soil, paraquat is slowly degraded with DT ₅₀ values ranging from 7 to 20 year. When desorbed, it is quickly degraded by soil micro-organisms (DT ₅₀ of unadsorbed paraquat <1 w). The potential risk to leach into groundwater is negligible.
Handling and storage	<p>Handling: Read the label before use. Avoid all contact by mouth. Avoid contact with skin and eyes. Do not breath spray. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.</p> <p>Storage: Store under lock and key. Keep in original container, tightly closed, out of reach of children. Store in a cool, dry place away from farm feeds and food stuff. Physically and chemically stable for a least 2 years when stored in the original unopened sales container at ambient temperatures. Do not store for prolonged periods in direct sunlight.</p>
Package	200 L drum or customized package