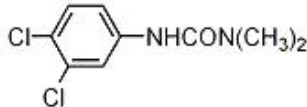


TECHNICAL DATA SHEET OF

Diuron 97% TC

Chemistry identity	
Common name	Diuron
IUPAC name	3-(3,4-dichlorophenyl)-1,1-dimethylurea
CAS No	330-54-1
Molecular structure	
Physical and chemical properties	
Appearance	White powder
Content	97% min (w/v)
Water	0.5% max (w/w)
Solubility	Approx. water 37.4 mg/l (25°C)
pH	6.0-8.0
Mammalian toxicity	
Acute oral	LD ₅₀ >2000 mg/kg
Acute dermal	LD ₅₀ for rats >2000 mg/kg.
Acute inhalation	LC ₅₀ (4 h) for rats > 7 mg/L
Uses	
Targets	Control of weeds and mosses on non-crop areas. Selective control of germinating grass and broad-leaved weeds in many crops, including olives, pineapples, bananas, sugar cane, cotton, cereals, maize, sorghum, and so on. It also can be used as algicide for paint.
Environment fate	<p>Animals In mammals, metabolism is principally by hydroxylation and dealkylation</p> <p>Plants In plants, diuron undergoes demethylation of the nitrogen atom and hydroxylation at position 2 of the benzene ring.</p> <p>Soil/Environment In soil, enzymic and microbial demethylation of the nitrogen atom and hydroxylation at position 2 of the benzene ring occur. Duration of activity in soil is c. 4-8 months, depending on soil type and humidity; DT₅₀ 90 – 180 d</p>
Handling and storage	<p>Handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Avoid release to the environment. Dispose of contents/ container to an approved waste disposal plant.</p> <p>Storage Do not store with seed, fertilisers or foodstuffs. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Do not store for prolonged periods in direct sunlight.</p>
Package	25kg/drum or customized package