

TECHNICAL DATA SHEET OF

CARBENDAZIM 98% TC

Supplier: Shanghai Bosman industrial Co., Ltd.

Batch No.: 20200906

Manufacture date: Sept. 6, 2020

Expiry date: Sept. 5, 2022

Chemistry identity	
Common name	Carbendazim 98%WP
IUPAC name	methyl benzimidazol-2-ylcarbamate
CAS No	10605-21-7
Physical and chemical properties	
Appearance	White Powder
Content	98% min (w/w)
pH	NA
Density	NA
Solubility in water	approx. 8 mg/l (pH 7)
Mammalian toxicity	
Acute oral	LD ₅₀ >5,000 mg/kg for rat
Acute dermal	LD ₅₀ >5,000 mg/kg for rat
Acute inhalation	LC ₅₀ >2.0 mg/L (4h) for rat
Environment fate	<p>Animals In male rats, following a single oral administration of 3 mg/kg, 66% was eliminated in the urine within 6 hours.</p> <p>Plants Readily absorbed by plants. One degradation product is 2-aminobenzimidazole.</p> <p>Soil/Environment 2-Aminobenzimidazole has been found as a minor metabolite. DT₅₀ in soil 8–32 d under outdoor conditions. Carbendazim decomposes in the environment, DT₅₀ 6–12 mo on bare soil, 3–6 mo on turf, and 2–25 mo in water under aerobic and anaerobic conditions, respectively. It is mainly decomposed by micro-organisms. Koc 200–250.</p>
Handling and storage	<p>Handling Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.</p> <p>Storage Store in a cool location. Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles.</p>
Package	25kg drum or customized package