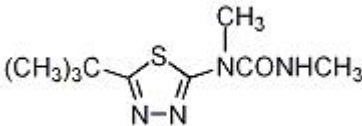


TECHNICAL DATA SHEET OF

Tebuthiuron 46% SC

Chemistry identity	
Common name	Tebuthiuron 46% SC
IUPAC name	1-(5-tert-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
CAS No	34014-18-1
Formula structure	
Physical and chemical properties	
Appearance	Off-white liquid
Content	≥46%
pH	5.0~8.0
Solubility in water	Disperse in water
Mammalian toxicity	
Acute oral	LD ₅₀ for male rats 477, female rats 387 mg/kg (For Tebuthiuron TC)
Acute dermal	LD ₅₀ for rabbit >5000 mg/kg (For Tebuthiuron TC)
Acute inhalation	LC ₅₀ (4 h) for rats > 3.7 mg/L (For Tebuthiuron TC)
Environment fate	<p>Animals The major metabolites in mammals were formed by N-demethylation of the substituted urea side-chain. Plants In plants, the principal metabolic pathways involve N-demethylation and hydroxylation of the tert-butyl side-chain. Soil/Environment Some microbial breakdown occurs in soil, but this is not the predominant mode of degradation. Loss due to photodecomposition and volatilisation is negligible. Half-life in soil is considerably greater in soils with low moisture content, and in high organic soils. Adsorption Freundlich K values range from 0.11 in sand (pH 7.7, o.m. 0.5%) to 1.82 in clay loam (pH 6.9, o.m. 2.0%).</p>
Handling and storage	<p>Handling: Contact with eyes and skin must be avoided. Wash thoroughly with soap and water after handling. After each day's use, wash gloves, face shield or goggles and contaminated clothing.</p> <p>Storage: Store in original container and out of the reach of children, preferably in a locked storage area. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight.</p>
Package	200L drums or customized package