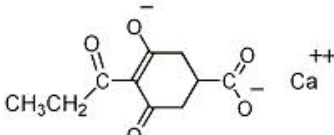


Version: 1.0 Issue date: June 1, 2025

TECHNICAL DATA SHEET OF

Prohexadione Calcium 92% TC

Chemistry identity	
Common name	Prohexadione Calcium 92% TC
IUPAC name	calcium 3-oxido-5-oxo-4-propionylcyclohex-3-enecarboxylate
CAS No	127277-53-6
Formula structure	
Physical and chemical properties	
Appearance	Off-white to beige loosen powder
Content	92% min.
pH	6.0~9.0
Solubility in water	In water 174 mg/l (distilled water, 20 ° C).
Mammalian toxicity	
Acute oral	LD ₅₀ for rats >5000 mg/kg
Acute dermal	LD ₅₀ for rats >2000 mg/kg
Acute inhalation	LC ₅₀ (4 h) for rats > 4.0 mg/L air
Environment fate	Animals In rats, goats and hens, c. 90% of applied ¹⁴ C was excreted in urine and faeces, primarily as the free acid. Plants Prohexadione-calcium applied to plants is ultimately degraded to natural substances. Soil/Environment Soil DT50 <1 - 4 d (20 ° C); Koc 82 - 307.
Handling and storage	<p>Handling: Keep out of reach of children. Harmful if swallowed. Avoid contact with skin and clothing. After work, remove protective clothing and equipment, wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Clean up spilled material immediately, and wash clothes, equipment and work area after use.</p> <p>Storage: Store in tightly closed original container in a cool, dry well-ventilated area out of direct sunlight. Do not store with food, feed stuffs, fertilizers and seeds. See product label for further handling/storage precautions relative to the end use of this product.</p>
Package	25kg drum or customized package