



>>Entry Name: Bis(2,2-dimethyloctanoato)dimethyltin

Synonym(s): Dimethylbis[(1-oxoneodecyl)oxy]stannane

CAS Registry Number: 68928-76-7

$\text{Me}_2\text{Sn}[\text{OCOC}(\text{CH}_3)_2(\text{CH}_2)_5\text{CH}_3]_2$

Molecular Formula: $\text{C}_{22}\text{H}_{44}\text{O}_4\text{Sn}$

Molecular Weight: 491.297

Accurate Mass: 490.22616

Percentage Composition: C 53.78%; H 9.03%; O 13.03%; Sn 24.16%

Use/Importance: Catalyst for the vulcanisation of silicone rubbers by moisture

Melting Point: Mp -6°

Hazard & Toxicity: Fl. p. 153° LD₅₀ (rat,orl) 1470mg/kg

Other: Gelest SND4220

References:

Belg. Pat., 1980, 884 938; *CA*, **95**, 26443h, (*use*)