

# Die Kristallstrukturen von $\text{MesSn}(\text{Cl})\text{Me}_2$ und $\text{Mes}_2\text{SnCl}_2$

The Crystal Structures of  
 $\text{MesSn}(\text{Cl})\text{Me}_2$  and  $\text{Mes}_2\text{SnCl}_2$

Thomas Kräuter, Bernhard Neumüller\*

Fachbereich Chemie der Universität Marburg,  
Hans-Meerwein-Straße, D-35032 Marburg,  
Germany

Z. Naturforsch. **53b**, 503–505 (1998);  
eingegangen am 11. Dezember 1997

Mesityltin Compounds, Chloro Compounds,  
Crystal Structure

Single crystals of  $\text{MesSn}(\text{Cl})\text{Me}_2$  (**1**) and  $\text{Mes}_2\text{SnCl}_2$  (**2**) were obtained by the reactions of  $\text{MesGaCl}_2$  with  $\text{Me}_3\text{SnF}$  and  $\text{Mes}_3\text{SnF}$ , respectively. **1** and **2** are monomeric molecules in the solid state. **1**: space group  $\text{P}2_1/n$ ,  $Z = 4$ , lattice dimensions at  $-70^\circ\text{C}$ :  $a = 1202,3(1)$ ,  $b = 739,1(1)$ ,  $c = 1441,3(1)$  pm,  $\beta = 102,71(1)^\circ$ ,  $R_1 = 0,0469$ ; **2**: space group  $\text{Pbcn}$ ,  $Z = 4$ , lattice dimensions at  $-50^\circ\text{C}$ :  $a = 1107,0(2)$ ,  $b = 949,9(1)$ ,  $c = 1729,8(2)$  pm,  $R_1 = 0,049$ .

\* Sonderdruckerfordernungen an Priv.-Doz. D. B. Neumüller.