

# Die Kristallstruktur von $\text{ClPb}[\text{N}(\text{SiMe}_3)_2]_3$

Crystal Structure of  $\text{ClPb}[\text{N}(\text{SiMe}_3)_2]_3$

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Lead(IV), Amido Complex, Crystal Structure

Pale brown single crystals of the title compound have been obtained by the reaction of  $\text{Pb}[\text{N}(\text{SiMe}_3)_2]_2$  with molybdenum pentachloride in ether solution as a result of a redox reaction.  $\text{ClPb}[\text{N}(\text{SiMe}_3)_2]_3$  crystallizes in the trigonal space group  $R\bar{3}$  with three formula units per unit cell. Lattice dimensions at  $-50\text{ }^\circ\text{C}$ :  $a = b = 1828.7(2)$ ,  $c = 854.5(1)$  pm. The compound forms monomeric molecules with bond lengths  $\text{Pb}-\text{Cl} = 247.9(4)$  pm and  $\text{Pb}-\text{N} = 213(2)$  pm.

\* Sonderdruckeranforderungen an Prof. Dr. K. Dehnicke.