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| 7 | 43994 | 1 |
| | STEP S/079/62/032/012/007/008 | 1 |
| | 5.3700 D424/D307 | .1 |
| | AUTHORS: Kochkin, D.A. and Chirgadze, Yu.N. | |
| , , | TITLE: Synthesis and ir spectra of some oxygen-containing organotin and organosilicotin compounds | |
| ··· | PERIODICAL: Zhurnal obshchey khimii, v. 32, no. 12, 1962, 4007-4012 | |
| | TEXT: The synthesis and properties of the following are described: $(CH_3)(\underline{iso}-C_4H_9)(C_6H_5)SiOSn(\underline{iso}-C_4H_9)_3$, $[(\underline{iso}-C_4H_9)_3Sn0]$ | っ |
| | $Si(C_2H_5)_2$, [(CH ₃)(<u>iso-C_4H_9</u>)(C_6H_5)Si0] ₂ Sn(<u>n-C_4H_9</u>) ₂ . The ir spec | |
| | tra of these compounds and of the hexaalkylstannoxides R3SnOSnR3 | ; |
| | where $R = \underline{iso} - C_4H_9$, $\underline{n} - C_7H_{15}$ and the dialkylstannones R_5Sn0 where | v |
| | $R = C_2H_5$, <u>n</u> -C_3H ₇ , <u>iso</u> -C ₅ H ₁₁ , <u>n</u> -C ₇ H ₁₅ are given in order to study | |
| . i | the spectroscopic characteristics of the \rightarrow SnO. \rightarrow SiO-, and | |
| | -> SnO3i - bonds. The organosilicotin compounds were synthesized respectively, by the reaction of the appropriate hexaalkylstannoxid | 1, |
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| • | Synthesis and ir spectra \dots D424/ $^{(1)}$ 307 | |
| | | |
| | with the appropriate silanol and silanediol and of the appropriate dialkylstannone with the appropriate silanol. By comparing the ir | |
| | spectra of all these compounds and those of stannic oxide and tetra | a |
| · . | iso-butylstannane, assignments of the main bands are made. The ab- sorption frequency of the Sn-0 bond in the Sn-0-Sn group is | • |
| E. | about 780 cm ⁻¹ . In the Si-0-Sn group, the Sn-0 frequency is | |
| | lowered to 720 cm ⁻¹ and that of Si-0 ro 980 cm ⁻¹ . In the case of | |
| | the dialkylstannones, strong bands at 570 \pm 5 and 415 \pm 10 cm ⁻¹ are assigned to the Sn-0-Sn group, confirming their polymeric | |
| 3 | | |
| | nature, [R ₂ Sn0] _x . There are 3 figures and 1 table. | |
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| | ASSOCIATION: Vsesovuznyy nauchno-issledovatel'skiy vitaminnyy | |
| | nature, [R ₂ Sn0] _x . There are 3 figures and 1 table. | • |
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