

This article was downloaded by:

On: 30 January 2011

Access details: Access Details: Free Access

Publisher Taylor & Francis

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



Phosphorus, Sulfur, and Silicon and the Related Elements

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713618290>

THIOLATES OF SOME HEAVY ORGAINDMETALLIC COMPOUNDS

Markus Wieber^a, Ulrich G. Baudis^a

^a Institut für Anorganische Chemie der Universität Würzburg,

To cite this Article Wieber, Markus and Baudis, Ulrich G.(1979) 'THIOLATES OF SOME HEAVY ORGAINDMETALLIC COMPOUNDS', Phosphorus, Sulfur, and Silicon and the Related Elements, 6: 1, 331

To link to this Article: DOI: 10.1080/03086647908080439

URL: <http://dx.doi.org/10.1080/03086647908080439>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.informaworld.com/terms-and-conditions-of-access.pdf>

This article may be used for research, teaching and private study purposes. Any substantial or systematic reproduction, re-distribution, re-selling, loan or sub-licensing, systematic supply or distribution in any form to anyone is expressly forbidden.

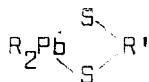
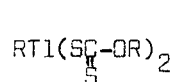
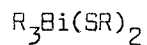
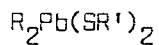
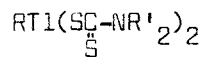
The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

THIOLATES OF SOME HEAVY ORGANOMETALLIC COMPOUNDS

Markus Wieber and Ulrich G. Baudis

Institut für Anorganische Chemie der Universität Würzburg, BRD

The reaction of Thiols, Dithiols, Dithiocarbonates and Xanthates with organometallic compounds of the heavy metals like Thallium, Lead and Bismuth has been studied. Depending on the oxidation-potential of the metal and the chelating ability of the Dithiol, Dithiocarbonate and Xanthate a number of Thiolates with general formulas



could be prepared. In some cases thermal stability, which depends mainly on the kind of the metal, was studied.

The X-ray structure of $p\text{-CH}_3\text{C}_6\text{H}_4\text{Tl} [\text{CS}_2\text{N}(\text{C}_2\text{H}_5)_2]_2$ will be discussed.