



## The crystal structures and properties of $[\text{VCl}_3(\text{THF})_2(\text{H}_2\text{O})]$ and $\text{VCl}_3(\text{THF})_2(\text{H}_2\text{O}) \cdot \text{THF}$ .

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### Rok wydania

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### Czasopismo

Polyhedron

### Numer woluminu

15

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Naukowa

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### Streszczenie

The structure of the products formed between  $[\text{mer-VCl}_3(\text{THF})_3]$  and water in tetrahydrofuran (THF) or dichloromethane were investigated. Two different crystalline species were isolated:  $[\text{VCl}_3(\text{THF})_2(\text{H}_2\text{O})]$  (**1**) and  $[\text{VCl}_3(\text{THF})_2(\text{H}_2\text{O})] \cdot \text{THF}$  (**2**). Their structures were determined by means of X-ray analysis. In both compounds the vanadium (III) ions are in a distorted octahedral environment surrounded by three *mer*-chlorine atoms, two *trans*-situated THF molecules and a water molecule.

### Adres publiczny

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