

## Phosphorus: properties and application

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### Abstract

In the presented review the history of white phosphorus study, as well as extensive field of its application is presented. White phosphorus, being allotropic modification of phosphorus element, can't be considered separately from it, hence significant attention is also paid to the element. The highest risk of white phosphorus in handling causes quite reasonable and well-grounded doubts concerning the necessity of its industrial production and usage. Analyzing the development of scientific interest and practical demand for white phosphorus since the moment of its discovery in the VXII century till the present time, the authors have come to the conclusion that phosphorus production will not be terminated in the nearest future, and, most likely, even never. Thus the study of chemistry, toxicology and methods of neutralization of this substance is still urgent.