



Smithsonian Institution

Archives Center - NMAH

Leo Baekeland Diary Volume 27, 1919

Extracted on Apr-17-2024 12:33:00

The Smithsonian Institution thanks all digital volunteers that transcribed and reviewed this material. Your work enriches Smithsonian collections, making them available to anyone with an interest in using them.

The Smithsonian Institution (the "Smithsonian") provides the content on this website (transcription.si.edu), other Smithsonian websites, and third-party sites on which it maintains a presence ("SI Websites") in support of its mission for the "increase and diffusion of knowledge." The Smithsonian invites visitors to use its online content for personal, educational and other non-commercial purposes. By using this website, you accept and agree to abide by the [following terms](#).

- If sharing the material in personal and educational contexts, please cite the Archives Center - NMAH as source of the content and the project title as provided at the top of the document. Include the accession number or collection name; when possible, link to the Archives Center - NMAH website.
- If you wish to use this material in a for-profit publication, exhibition, or online project, please contact Archives Center - NMAH or transcribe@si.edu

For more information on this project and related material, contact the Archives Center - NMAH. [See this project](#) and other collections in the Smithsonian Transcription Center.

164

by closely watching the exothermic reaction and by direct cooling at the right time or addition of solvents an A is obtained which is fusible and soluble and can be transformed into C by suitable heating and the usual methods

The watery solution submitted to two hours boiling is clear at first then clouds and separates a resinous product which has the characteristics of A

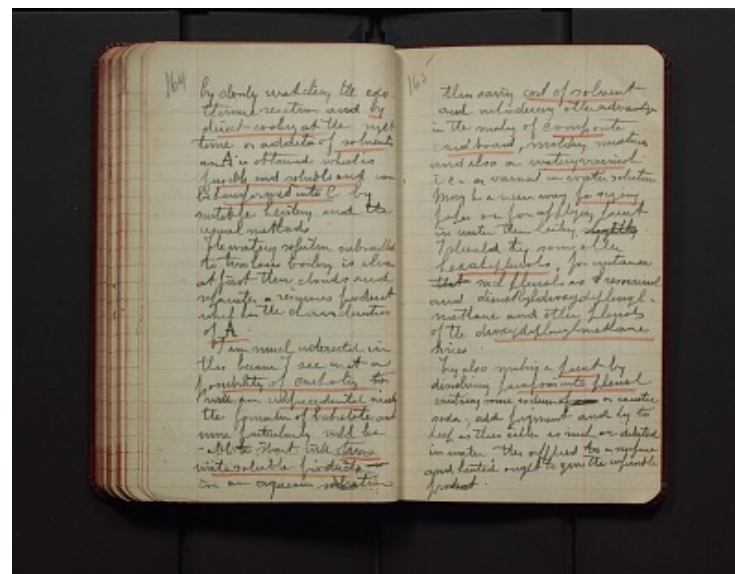
I am much interested in this because I see not a possibility of controlling ~~to~~ with an unprecedented nicely the formula of bakelite and more particularly will be able to start with two water soluble products ~~use~~ in an aqueous solution

[end page]

[start page]

165

thus saving cost of solvent and introducing other advantages in the making of composite cardboard, molding mixtures and also a watery varnish ie. a varnish in water solution May has a new way for sizing paper or for applying paint in water then heating. ~~slightly~~ I should try some other hexatriphenols, for instance ~~that~~ such phenols as ~~h~~ resorcinol and dimethyldroxydiphenylmethane and other phenols of the droxydiphenylmethane series Try also making a paint by dissolving paraffin into phenol containing some sodium ~~of~~ or caustic soda. add pigment and try to keep as this either as such or diluted in water then applied to a surface and heated ought to give the infusible product.



Leo Baekeland Diary Volume 27, 1919
Transcribed and Reviewed by Digital Volunteers
Extracted Apr-17-2024 12:33:00



Smithsonian Institution

Archives Center - NMAH

The mission of the Smithsonian is the increase and diffusion of knowledge - shaping the future by preserving our heritage, discovering new knowledge, and sharing our resources with the world. Founded in 1846, the Smithsonian is the world's largest museum and research complex, consisting of 19 museums and galleries, the National Zoological Park, and nine research facilities. Become an active part of our mission through the Transcription Center. Together, we are discovering secrets hidden deep inside our collections that illuminate our history and our world.

Join us!

The Transcription Center: <https://transcription.si.edu>

On Facebook: <https://www.facebook.com/SmithsonianTranscriptionCenter>

On Twitter: [@TranscribeSI](https://twitter.com/TranscribeSI)

Connect with the Smithsonian

Smithsonian Institution: www.si.edu

On Facebook: <https://www.facebook.com/Smithsonian>

On Twitter: [@smithsonian](https://twitter.com/smithsonian)