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KRASNOYARSK, RUSSIA
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«International Conference on Advances in Material Science and Technology - CAMSTech-2020»

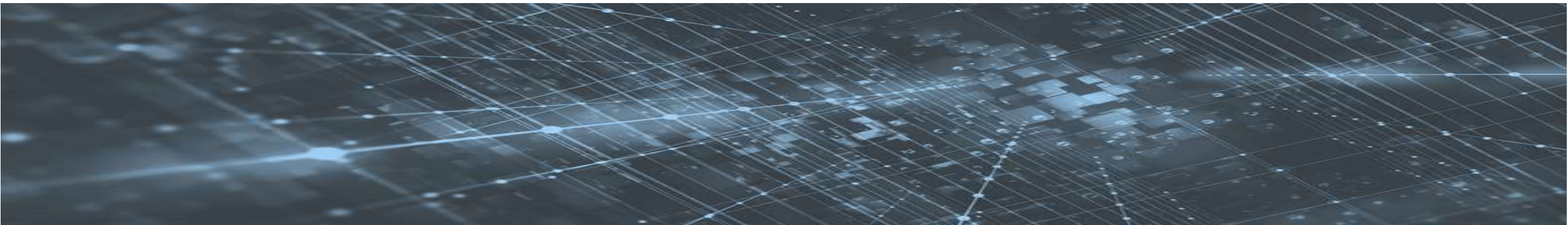
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« Utilization of the vat residues of butyl alcohols
with receiving phthalate softener »

R F Nafikova, A A Islamutdinova, I VOvsyannikova

Problem statement

- Problems of utilization of the vat residues of butyl alcohols



Solution methods

- One of the most perspective directions of utilization of VRBA is their use as raw materials when receiving the chemicals-additives applied when processing polymers
- Results a research of reaction of etherification of phthalic anhydride with VRBA with use as the catalyst of tetrabutylloxytitanate (TBOT) and stearate of zinc are given in this work
- .



Solution methods

- The catalytic effect of stearate of zinc, apparently, is connected with coordination of an ion of metal with oxygen of a carboxylate part of acid that leads to increase in an electrophilicity of atom of carbon of carboxyl group, facilitating thereby etherification process



Conclusions

Results, implementation

- When using as the softener received on the basis of VRBA films of the lower layer of linoleum and the film PVC sticky completely conform to imposed technical requirements
- Some decrease in indicators "heat stability" and "fusion fluidity" is revealed that should be meant at their practical use.

Contacts

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