

*Thematic course:* Research of influence of technological additives on properties of rubbers on the basis of BNR new generation. Part 5.

## Fire retardants on the basis of trichloroethylphosphate combinations

© Nikolay I. Koltsov,<sup>1\*</sup> Nikolay F. Ushmarin,<sup>2</sup> Nadezhda P. Petrova,<sup>1</sup> Yulia V. Vasileva,<sup>1</sup> Anastasia V. Yarutkina,<sup>1</sup> Nina N. Petrova,<sup>2</sup> Anzhelika Y. Plekhanova,<sup>2</sup> and Mikhail V. Kuzmin<sup>1</sup>

<sup>1</sup>Department of Physical Chemistry and Macromolecular Compounds. Chuvash State University of I.N. Ulyanov. Moscow St., 15. Cheboksary, 428015. Chuvash republic. Russia.

Phone: +7 (8352) 45-24-68. E-mail: koltsovni@mail.ru

<sup>2</sup>Technical Department to Rubber-Technical Products of Cheboksary Production Association of V.I. Chapaeva. Socialist St., 1. Cheboksary, 428006. Chuvash republic. Russia. Phone: +7 (8352) 39-62-39.

\*Supervising author; <sup>†</sup>Corresponding author

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### Abstract

The efficiency of the actions of combinations different additives (trichloroethylphosphate TCEP), trichloropropylphosphate (TCPP), chloroparaffine CP-1100, oxides of calcium magnesium and antimony, zinc borate, aluminium hydroxide mark *Scar-Let-315*) to increase the fire resistance of rubber on the basis of butadiene-nitrile rubbers is studied. It is shown that joint application of TCEP or zinc borate with chloroparaffine CP-1100 and antimony trioxide leads to the increase of fire resistance, the improvement of the plasto-elastic and physico-mechanical properties of rubber.