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NEGATIVE EFFECT OF CHEMICAL BLEACHERS ON THE HUMAN ORGANISM

Abstract. The article contains information on the composition of household chemicals containing many harmful substances that not only harm the fragile ecosystem, but also have a very detrimental effect on human health, leading sooner or later to chronic human diseases. To date, especially used chemicals are bleaching agents in everyday life and cosmetology. They are second in importance after everyday household chemicals. All these substances differ in the mechanism of action, the effectiveness of bleaching and the severity of the toxic effect on cells.

Keywords: chemistry, bleaches, negative impact, organism, chlorine, hydrogen peroxide.

According to most people with chemical phenomena and reactions can only be found in specialized or school chemistry laboratories. In fact, we are confronted with chemicals in everyday life [1-2].

The composition of household chemicals includes many harmful substances that not only harm the fragile ecosystem, but also have a very detrimental effect on human health, leading sooner or later to chronic human diseases [3-5]. Producers argue that in household chemicals, the amount of harmful substances is minimal, but they "forget" to mention the fact that the combined effect of all components that causes real harm to health (Fig. 1).

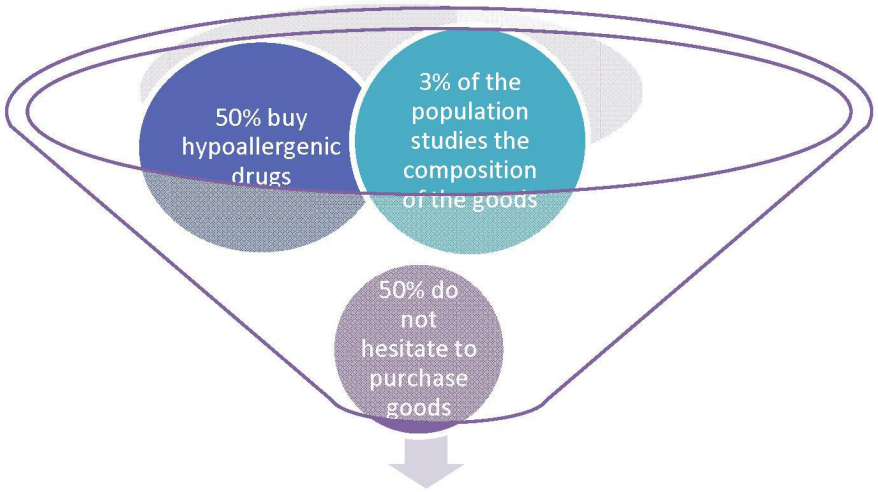

Figure 1 - Consumption of household chemistry by the population

To date, highly consumed chemicals are bleaching agents. They are the second most important after powders of household chemicals in the arsenal of home laundry. In Russia, up to the last century, linen fabrics were bleached, alternating with their freezing on bright winter sol with soaking in the ice.