

## **СЕКЦІЯ 16. МЕНЕДЖМЕНТ ТА АПАРАТИ ПРИРОДООХОРОННИХ ТЕХНОЛОГІЙ**

### **HOUSEHOLD CHEMICALS AND ITS EFFECT ON STUDENT HEALTH.**

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Household chemicals today occupies one of the important places in the student's daily life in a dormitory. It includes washing dishes, washing, cleaning living rooms, bathrooms, kitchens etc. Also, household chemicals are used for fighting against insects. However, its enough difficult for student to know about the negative impact of household chemicals on his health. Frequent using of household chemicals can lead to such negative consequences as damage of skin and mucous membranes, various diseases, allergies and even cancer.

Any using of household chemicals must be as careful as possible. Phosphates, chlorine and phosphate esters are included in laundry detergents and detergents very often. These substances penetrate through skin and mucous membranes and can lead to a decrease of skin oily and attendance of cancer cells development. In most developed countries phosphate-containing detergents were prohibited. One of household chemicals types are detergents in the form of powders and liquid dishwashing detergents. They are not most toxic, but using them long time at a day can lead to ingestion of these substances in food from "clean" but poorly washed plates.

Also, students are often using another the type of household chemistry like air fresheners. The destructive effect of aerosols is well-known to people who have allergic diseases. The result can manifest over time in the form of a dry throat, dry cough, allergies. Surface-active substances (surfactants) are often used at air fresheners. They cause immunity disorders, allergies, brain, liver, kidney, and lung damage. Surfactants can penetrate through skin and it lead to the accumulation of these substances on fibers of tissues.

Aerosols including pesticides for the fighting by insects are used with students very often because these aerosols effectively kill insects in places of their everyday life. But after using of these aerosols harmful substances remain and negatively effect to students' health.

So, when student buys household chemicals, student has to focus attention not only on the cost of the product, but and on the composition of the product exactly like first of all. Also, students has to look at the date of development and expiration date, who must be indicated with the producer on the package.

Using of household chemicals should be carefully in accordance by instructions. If student has possibility, then has to exclude the direct skin contact with aggressive substances. Also, can be recommended to minimize the using of household chemicals. Such well-known substances as soda, mustard and others can be recommended like an alternative against using of chemical detergents because they do not harm to health.