

## CHEMICAL COMPOSITION OF DEONICA DEZODORANT

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### ABSTRACT

*The article examines the chemical composition of deodorant. In addition, organic substances contained in Deonicadezodorant were also identified. Today it's hard to imagine our lives without deodorants and antiperspirants. In particular, global warming will increase the demand for them. Questions like these can make us think. This solves the problem of unpleasant odors, but does not prevent the formation of moisture at all. Aluminum salts are ingredients that prevent sweating. Salts should melt to prevent sweat from forming on the surface of your pores. The chemical composition of deonica deodorant is isobutene, butane, aluminum chlorohydrate, propane, cyclopentane, cyclohexane, PEG/PPG-18 Dimethicone, triethyl stearate, linalol, lactobacilli extract filtr, propylene glycol, potassium cuminosulfate, butylphenylmetapropional substances.*

**KEYWORDS:** *Deonica, deodorant, salt alumin, propilenglikol, linalool.*

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### INTRODUCTION

During the years of independence in our country there are the types of deodorant which are prepared using only chemical elements. It is actual problem that creating deodorant varieties which is rich of natural plants [1]. Today it's hard to imagine our lives without deodorants and antiperspirants. In particular, global warming will increase the demand for them. Questions like these can make us think. Deodorants are traditionally divided into two major groups: deodorants and antiperspirants. Deodorants neutralize sweat odor and do not regulate sweating. They contain substances that prevent the growth of bacteria, which creates the smell of sweat. The smell of sweat is almost imperceptible. However, when it gets on the skin and reacts with bacteria, its odor intensifies and becomes unpleasant. Antiperspirants reduce the sweating process itself. They contain aluminum salts, which constrict the sweat glands. Why do antiperspirants contain aluminum salts? The question is how do they affect the body? Antiperspirants help you sweat less by blocking your eyes and pores. These antiperspirants contain many ingredients which are against to sweat, such as aluminum salts. Regular use of deodorant can cause inflammation of the skin.

Therefore, when choosing a deodorant or antiperspirant, you should pay attention to its chemical composition. If you want to lose sweat and give a pleasant scent under your armpits, your choice should be antiperspirant deodorant at the same time. It combines the benefits of these products

and protects aromatic odors. Note Deonica antiperspirant deodorants, which are pleased with the durability of this effect. There are some rules for applying deodorant:

#### Chemical composition of deonica deodorant

Name of substance	Chemical formula	Name of substance	Chemical formula
Isobutane	$C_4H_{10}$	Aluminum chlorohydrate	$Al_2ClH_5O_5$
Butane	$C_4H_{10}$	Propane	$C_3H_8$
Cyclopentacyclooxane	$C_{10}H_{30}O_5Si_5$	Triethyl citrate	$(CH_2COOC_2H_5)_2CO$ $HCOOC_2H_5$
Linallol	$C_{10}H_{18}O$	Propylene glycol	$C_3H_8O_2$

Organic substances such as isobutane and butane in deonica deodorant act as gases. Aqua, on the other hand, gives a light fragrance. Aluminochlorohydrate slows down the activity of bacteria and at the same time fights against unpleasant odors. Scientific studies show that deodorants specially formulated based on aluminum salts can significantly reduce the appearance of unpleasant odors and secretions under the armpits, even under stressful conditions [2]. Deodorants that do not contain aluminum salts, unlike antiperspirants, only inhibit the growth of bacteria. This solves the problem of unpleasant odors, but does not prevent the formation of moisture at all. Aluminum salts are ingredients that prevent sweating. Salts should melt to prevent sweat from forming on the surface of your pores. But does this mean that dissolved aluminum salts are absorbed and retained in the body? Recent studies published by the National Center for Biotechnology Data show that frequent use of deodorants does not prove that aluminum salts in breast tissue can cause breast cancer. In fact, breast cancer tissue does not contain more aluminum than normal breast tissue. "If you have kidney problems, especially if your kidney function is 30% or less, aluminum may be more cause of a concern," said Benjamin Chan Do, a Penn Family Medicine doctor in Phoenixville. Dr. Chan explains, "Too much aluminum in your body can lead to bone disease or dementia. Typically, excess aluminum is filtered out of your body by your kidneys. Thus, people with impaired renal function may not be able to filter aluminum fast enough. However, if you have normal kidney function, your kidneys can usually excrete the amount of aluminum absorbed through the skin from anti-aging and cosmetic products.

Linallol is a substance found in lavender, mint and other plants. When it comes in contact with oxygen, it forms oxides that cause allergies. Manufacturers add agents which prevent oxidizing to perfumes and hygiene products, but allergens are still formed during storage. One of the reasons for the spread of allergies to linalol may be its widespread use. Frequent contact with allergens increases the likelihood of developing allergic reactions.

PEG/PPG-18/18 Dimethicone is a component that can be easily found in many cosmetics today, as well as in special tanning skin care products. The specified substance is a synthetic polymer based on elements such as dimethicone and ethylene glycol derivative. In the manufacture of deodorant, this substance is found to be used due to its unique ability to provide a grinding and corrective, emulsifying effect. Like any polymer used in the cosmetics industry, PEG/PPG 18/18 Dimethicone is not a leader, but performs an additional or strengthening function. This substance can be found in products designed to create an anti-aging effect. This element can also

be used to provide a moisture barrier and create a thin protective film that reflects the negative effects of ultraviolet light.

Potassium aluminosulfate (Potassium alum) - potassium sap is not one, but two chemical mixture: potassium and aluminum sulfate, the chemical formula of which is expressed in the form  $KAl(SO_4)_2 \cdot 12H_2O$ . It crystallizes in an octahedral structure in a neutral solution and has a cubic structure with a spatial group and lattice parametric 12.18Å in an alkali solution [3]. It is used in water treatment, leather tanning, deodorant, dyeing, non-combustible textiles and pharmaceuticals, as well as in cosmetics.

Cyclopentacyclooxane acts as a waterproofing agent to lubricate the skin and provide temporary radiance. It is considered also a means of soothing and softening the skin by keeping moisture in a confined space. It can also correct dryness by preventing water loss and scale formation by keeping more water on the surface of the skin.

Butylphenylmethylproponial- commonly known as Lilial or p-BMHCA, is a synthetic fragrance ingredient widely used in various cosmetics. Butylphenylis also used in several non-cosmetic products such as methylproponial household cleaners and detergents. Propylene glycol is a colorless viscous liquid with a weak odor, sweet taste, hygroscopic properties, dihydric alcohol. Currently, all deodorants contain chemicals. We are working on scientific deodorants to enrich it with natural plant-based products. Deodorants all contain chemicals. Infusions and ointments made from natural plants give better results than deodorant. [4]

The chemical composition of deonica deodorant is isobutene, butane, aluminum chlorohydrate, propane, cyclopentacyclohexane, PEG/PPG-18 Dimethicone, triethyl stearate, linallol, lactobacilli extract filtr, propylene glycol, potassium cuminosulfate, butylphenylmetapropional substances. It actively protects against perspiration for a long time, the pungent smell that cuts through the perfume is not pleasant, does not leave marks on clothing and does not allow itching and other allergic manifestations.

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