

FUNGAL DISEASES

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Abstract

This article provides information on the most effective and inexpensive remedies for the prevention of fungal diseases that are currently common in humans.

Аннотация

В данной статье представлена информация наиболее эффективных и недорогих средствах профилактики грибковых заболеваний, распространенных в настоящее время у человека.

Keywords: Fungal diseases, dermatophytes, complex ethers, thyme medicinal plant, propagation medium yeast fungi, Candida dimorphic fungi, fungicidal effect.

Ключевые слова: Грибковые заболевания, дерматофиты, сложные эфиры, лекарственное растение тимьян, среда для размножения, дрожжи, диморфные грибы Сандиде, фунгицидное действие.

Introduction

Fungi include a wide range of organisms, such as mushrooms, molds, and yeast, that are common outdoors in water, soil and air indoors on surfaces, and on our skin and inside our worsen breathing problems in people with of fungi can infect nails and cause skin rashes. Some fungal infections are more common in people with weakened immune systems or hospitalized individuals while other fungal infections can infect anyone, including other wise healthy people. There are only classes of antifungal drugs, and fungal stains resistant to these drugs are no approved vaccines to prevent fungal infections. Fungal diseases- pathological condition of the organism, caused by the vital activity of microorganisms parasitizing the skin and mucous membranes of humans and animals. Infection occurs through close contact with a defective part of the human or animal body, as well as contact with contaminated items of the patient. More than 100,000 species of fungi are known, of which about 500 are pathogenic for humans and animals, that is, they cause disease. Fungal diseases are transmitted from a patient or an infected items. They are resistant to various factors of the external environment, such as open water bodies, blankets, clothing, carpets, and hair, and remain infectious for several years. Environmental disturbances, various drugs, antibiotics, excessive or long-term intake, or the presence of serious diseases such as, tumors diabetes often accelerate the development of fungal

diseases. Under the influence of such factors, the activity of the body's immune system weakens and favorable conditions are created for the growth of fungi. In addition, there is risk of infection with fungal diseases when visiting beauty salons, hairdressers, swimming pools baths, manicure salons. Usually, all fungal diseases begin with a light and imperceptible itching of the skin. Simple preventive measures should be followed to prevent fungal diseases. Follow the rules of personal hygiene: a person should use his own comb, shoes. It is recommended to wash hands thoroughly after being in close contact with animals such as, cats, dogs, cows, horses.

We know that esters offer some valuable benefit it is general, but not all esters are exactly the same though many share similar properties. Since esters include a whole group of compounds. Let's take a moment to look at which esters, particular are in especially high demand throughout the personal care market today. **NIAID** conducts and support basic research to understand how fungal pathogens cause disease and how the immune system responds to infections. **NIAID** is also conducting and supporting the science to find new ways to diagnose treat and prevent fungal infections.

1. Decyl Oleate chemical name is 9-Octadecenoic acid (Z)- decyl ester. It is made from straight-chained decyl alcohol and oleic acid, fatty acid naturally derived from plant and animals sources, such as avocados, canola oil or lard. This ester is commonly used in all sorts of person care products, including skin care products and make up. This type of ester lubricates skin without leaving a tacky or greasy feel. One of the primary benefit it's of Decyl Oleate in personal care is that it aids in both the application and removal of make up.

Benzoate works as a skincare is very common, it can be found in products such as skin lotions, sunscreens, color cosmetics, skin creams, baby products, nail care products, eye, make up shaving products, bath products. Commonly used in personal care and cosmetics manufacturing, C12-15 Alkyl Benzoate is a clear, soluble, low viscosity liquid. The solution consists of a mixture of various benzoic acid esters containing benzoic acid and alcohols with carbon chain lengths ranging from 12 to 15. Alkyl Benzoate features a lower molecular weight than many other personal care esters and offers excellent emolliency. It is a key ingredient in skin lotions and other personal care products that improve the softness of dry skin.

Alkyl Benzoate Properties

Alkyl Benzoate is the silkiest of all the personal care esters, making it a pre-so makes the oils in other skin care products feel less greasy. As such, Alkyl Benzoate often serves as an effective lubricant anti-tackiness agent, binder and wetting agent for various mineral make up products. Although Alkyl Benzoate is odorless, it acts as a fragrant fixative, meaning it will cause the scent of perfumes and body sprays to longer linger. Fungal infections, such as athlete's foot and ringworm, occur when one

type of fungal microbe becomes too prevalent in one area of the body so that the immune system cannot defeat it.

Symptoms

Changes in the appearance of skin and itching are common symptoms of many fungal infections the symptoms of a fungal infections will depend on the type, but common symptoms include the following. Skin changes, including crackling or peeling skin.

Yeast infections

Vaginal yeast infections are a common form of Candida overgrowth in women, usually caused by Candida albicans. An overgrowth of Candida disrupts the normal balance of the bacteria and yeast in the vagina. This imbalance of bacteria may be due to antibiotics, stress, hormone imbalance, or poor eating habits, among other things.

Candida infections can also commonly cause fungal toenail infections and diaper rash. Alkyl Benzoate also exhibits high polarity, enabling it to solubilize silicones. The Alkyl Benzoate safety sheet indicates the product for use as a cosmetic/ personal care ingredient. However, it may cause irritation to eyes. In the event of exposure, irrigate the eyes with a stream of water for approximately 15-20 minutes seek immediate medical attention. The Alkyl Benzoate is accidentally ingested, induce vomiting and seek medical treatment. Users who experience skin irritation after application should thoroughly wash the affected area and seek medical treatment if symptoms persist. Acme-Hardesty offers more than 70 years of oleochemical industry experience and expertise. Our passion for delivering superior customer service sets us apart from our competitors. As one of the largest distributors of personal care esters, we have the right product for your manufacturing needs. Contact us to learn more about our Alkyl Benzoate product offerings today. Triethyl Citrate is a triester of ethyl alcohol and citric acid that appears as a colorless odorless liquid. Citric acid weak in citrus fruits and other food and plants and is used to preserve and flavor foods and beverages. In personal care Triethyl Citrate is used in infant care products, bath products, creams and lotions, cosmetic sprays and many other types of personal care products. It is also an active ingredient in many chemical skin peels.

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