

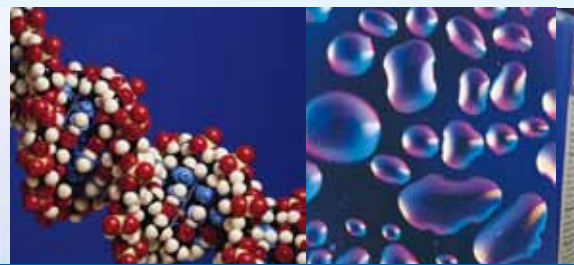


MultiDez Medicine 2010

Soft  **Protector**

Development and manufacturing
of polymeric disinfectants and antiseptics

Cleaning Products



CJSC Soft Protector (Russia) is achieving new standards in Disinfection and Sterilization



CJSC Soft Protector was founded in 1995. Since 1996 the company was engaged in development of water based PHMG disinfectants and technologies to combat mould and bio-contamination in multiple industries – construction, health care, food and pharmaceutical.

The company continues to provide services in consulting and manufacturing to overcome mould and biodegradation; constantly develops a wide range of products under the trademark “Teflex” for multiple users.



Since 2004, Soft Protector have started production of disinfectants for medical applications and was awarded a golden medal “Environmentally Friendly Products and Technologies” at an international forum in Moscow in the same year.

In 2005 the company created an international partnership service “Mould Hunters” (MOULD BUSTERS).

Mould Busters is involved in counseling, training and introducing Teflex /MultiDez in practice along with construction work with additives Teflex, protecting homes and people from the negative effects of environmental microbiology.

In 2007 the range of high level disinfectants Multidez and sporicidal antiseptic Teflex A was successfully launched and marketed in Russia and Europe.

In 2009 the trademark MultiDez was registered in Europe and a range of products was imported to Latvia and Ireland.

Ecologically safe products and technologies

There are thousands of different products in the European markets especially formulated to kill microorganisms and protect people from diseases, epidemics and cross contamination. Quaternary ammonium compounds, alcohol based, phenolics, aldehydes, oxidizing agents are widely used in the modern market of disinfectants.

Careful study and analysis of the existing products, their advantages and disadvantages, led Soft Protector to develop an innovative and unique range of biocidal products based on their own formulated and synthesized PHMG active substance with no analogue in the world.



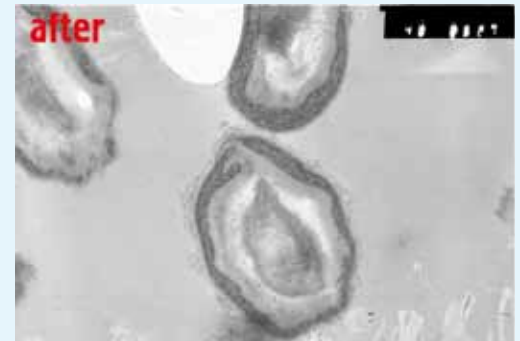
Polymer-based disinfectants are guanidine derivatives; such as PolyHexaMethyleneGuanidine (PHMG). It is highly antimicrobial and safe for human and animal biocidal products, non-toxic, non-allergenic, water soluble, is stable and maintains antimicrobial activity for a prolonged time period.

PHMG based Teflex (European brand MultiDez) is proven effective against pathogens such as bacteria, viruses, fungi and spores. Here are just a few advantages of Teflex/MultiDez: broad spectrum of activity, microorganism cannot form resistance, residual antimicrobial action, non-toxic, non corrosive to any materials, does not contain any harmful compounds, alcohol free, odour free, long lasting effect, fast action, pH neutral, long shelf life, very low cost, huge area of applications and many others which makes Teflex a truly unique product.

Method of Action: Teflex / MultiDez penetrates into the cell through the cell wall, blocks the action of enzymes, thus breaking the reproductive ability of nucleic acids and proteins, inhibits the respiratory system of cells, which in turn leads to the death of the microorganism.



Tests: Teflex/Multidez was regously tested in various lab facilities in the Russian Federation, Finland, UK, South Korea and fully complies with EN 14347, EN 1650, EN 1276.



Mechanism of destruction of *Bacillus Subtilis* spores, obtained using TEM microscopy. Resolution: x100000.



MultiDez / Teflex – advantages

- effective directly against a wide range of viruses, bacteria, fungi, and viruses
- low concentrated
- low toxicity
- water soluble
- neutral formula pH 7±0,5
- odorless and colorless
- non corrosive
- prolonged activity

PHMG is harmless at working concentrations. LD50 for MultiDez / Teflex products (rat, oral and cutaneous ways of administration) is less than 5,000 mg/kg.

MultiDez / Teflex products are not allergenic; they do not cause sensibility and do not irritate skin. PHMG does not accumulate in the tissues of farm animals (tests were conducted on farm chicken). Research data suggests that guanidine polymers are neither carcinogenic nor mutagenic.

MultiDez / Teflex – what is this?

Polymeric plant and synthetic preparations (hormones, ferments, blood serum, polyvinylpyrrolidone, dextran, starch and etc.) are largely used in applied medicine and biotechnology, in different kind of science and technologies and also as a medical product as serum substitutes and detoxifying preparations. Teflex products that are based on copolymers of guanidine offers long – lasting protection against microorganisms, that means, it's antimicrobial and antiviral polymeric preparation.

An abbreviated description of the destruction process of the microorganisms:

- the absorption of the biocidal molecule through the microbes cell membrane
- the diffusion of the absorbed molecules through cell walls
- the destabilization and destruction of the cytoplasmic membrane
- the cells contents disperse through the destabilized cell membrane
- the death of the cell The ability to connect to and interfere with the cellular membranes of microorganisms is attributed to the positively ions in the quarter amino functional groups.



MultiDez is active against bacteria, (inc. Tuberculosis, MRSA, C. Difficile, E.coli, Ps.aeruginosa, Mycobacterium B5), viruses (inc. HBV, HIV, Polio, Adenoviruses and H1N1) and fungi (inc. Candida albicans, Aspergillus niger and Dermatophytes).

MultiDez is a unique, highly effective disinfectant with sporicidal activity, fast action and long lasting effect. MultiDez is recommended for professional use in various applications.

MultiDez does not require washing off after application.

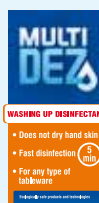
MultiDez is recommended for daily cleaning and disinfection of all washable surfaces in hospitals, all medical institutions, transport, food industry, agriculture, veterinary clinics, municipal hygiene and any public place where long lasting disinfection is required (schools, hotels, gyms, swimming pools and many others). MultiDez is formulated for one-step cleaning and disinfection of medical devices (endoscopes, surgical and anesthetic instruments). MultiDez is recommended for professional laundry services, disinfection of HVAC systems and medical waste.



- Shake before use
- Medical Personnel Use: wash hands with soap and hot water for 2 min, dry with sterile towel, spray 5 ml of MultiDez on hands, rub for 5 min keeping hands moist with antiseptic, let them dry before putting rubber gloves on



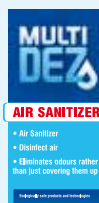
- Shake before use
- Add 60 ml of MultiDez to 1kg of laundry load, set time 60 min and highest temperatures
- Attention!** No other Washing Powder or Detergent is required.



- Shake before use
- Sponge and leave for 5 min, rinse with water



- Shake before use
- Spray and leave for 5 min, wipe with clean tissue
- MultiDez can be used in the presence of people and animals. MultiDez does not require washing off after application.



- Close windows and doors
- Spray Multidez (50 ml/m³), air the area after 20 min
- Shake before use



Teflex/Multidez products have been successfully marketed and sells all around Russia, CIS, Asia and Europe, and JSC Soft Protector is constantly working to develop PHMG based products and continues to seek new partners to co-operate in future production and marketing.

Mould Busters was established as service division of CJSC Soft Protector and has become the international enterprise. Mould Busters operates in Russia, Ireland, UK, Canada, Spain and constantly looking for opportunities to expand. Mould Busters provides professional mould treatment and prevention services that are reliable and affordable. Customer satisfaction is our priority.

If you have a mould problem, we have the solution! Mould Busters undertakes mould remediation work (including flood damage mould growth) in residential and commercial properties. Our success stems from three factors:

1. We closely follow US and European EPA guidelines on remediation techniques.
2. We strictly adhere to Health & Safety protocols.
3. Our core technology is the PCS registered Multi-Dez Anti-Mould - the most effective, long-lasting, environmentally friendly antimicrobial product available. Based on PHMG, it meets all necessary European Standards and safety protocols.

Mould treatment and prevention should be performed by professionals. A mould remediator identifies the underlying cause of the mould, whether black mould or any other species, eliminates the mould and disposes of any affected materials correctly.

All of our products and service methods are monitored to ensure minimum environmental impact.



Soft Protector

Development and manufacturing
of polymeric disinfectants and antiseptics

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