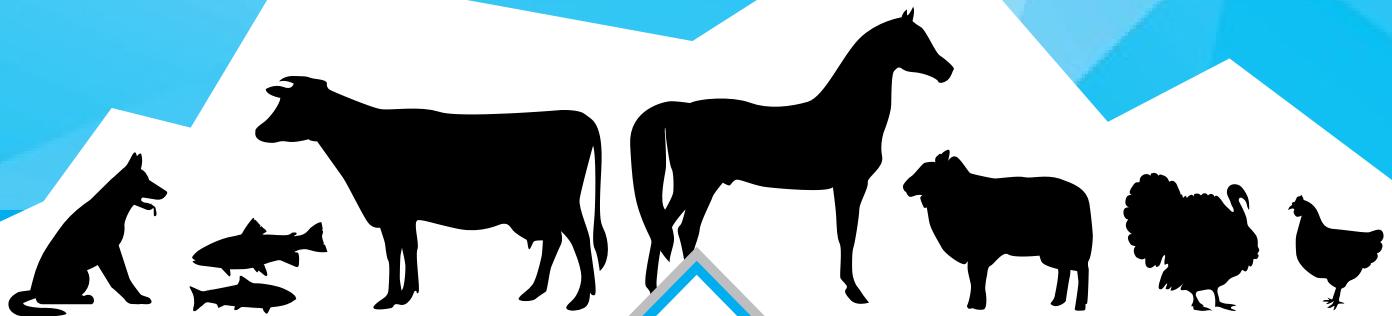


شرکت داروسازی

**سپیدان متن آسیا**

# Sepidan Matin Asia

Pharmaceutical Co.





## DSG 200

(GPC8)

A High potency strong and broad-spectrum effective disinfectant solution affecting a wide range on a variety of viruses, bacteria and fungi

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock and poultry

**Chemical compositions:** Glutaraldehyde: 12gr/100ml, Didecyldimethylammonium chloride (DDAC): 4 gr/100, Phosphoric acid 0.8gr/100ml, Deionized water, synergistic synergizing materials and stabilizing substances stabilizer.

### Mechanism of Action:

1- Glutaraldehyde: The most important ingredient substance in this solution is glutaraldehyde which is effective against bacteria, viruses, fungi, spores, (as well as against common pathogens in livestock and poultry that causing diseases such as, including influenza Flu, bronchitis Bronchitis, Newcastle disease, Gumboro, colibacilosis , and food-and-mouth Foot-and-Mouth diseases and etc.). Glutaraldehyde attacks By attacking the cell wall, Glutaraldehyde disrupts disrupting the normal functioning of microorganisms (proteins coagulation) and eventually , it causes cell death. It also kills viruses by acting on nucleic acids.

2- Quaternary Tetravalent Ammonium Compounds: Destroys cell membrane proteins. It also has a positive electric charge which is attached to surfaces with a negative electric charge, causing the coagulation of cellular proteins. Therefore, the quarts in this solution retains its their disinfecting disinfectant effect on the remaining surfaces for a long time. 3- Alcohol Ethoxylates: As a non-ionic surfactant, it increases the penetrating power of dilute solution in organic material and waste.

4- Phosphoric acid: It increases the solubility of the disinfectant solution in hard water with high sediment and salts deposition and solutes. It also stabilizes the formulation in the disinfectant solution and it has no corrosive effect on surfaces.

**Indications and Usage:** DSG 200 solution is considered as a strong and effective disinfectant for disinfecting livestock and poultry breeding salons, incubators, hatcheries, disinfection of eggshells , cages, all surfaces, poultry accessories and equipments (drinking and feeding eating materials and so on), maternity pens, cow barns, clinics and veterinary hospitals, all hospital equipments and supplies, vehicles (trucks carrying one-day-old chicken, chicken seed , livestock, manure fertilizer, live chicken and so on) industrial cold storages refrigerators, livestock and poultry abattoirs, industrial garments (uniform), boots, pavements and others. And it is also used as a disinfectant ponds at the entrances of farms and breeding halls.of entrance pool, hatchery saloons and many more.

### Attention:

- The containers and equipments that are directly related to the water and feed for livestock and poultry, such as (drinking, feeding, etc.) should be thoroughly washed with water after disinfection.

- For use in disinfection ponds, prepare a fresh solution every week.

### Precautions:

- Avoid direct contact of the concentrated solution with the skin and eyes.  
 - People sensitive to glutaraldehyde and quaternary ammonium compounds should avoid direct contact with this concentrated solution.  
 - Use glasses, masks, gloves, gowns and boots When when preparing and diluting this solution , use glasses, masks, gloves, gowns and boots. as well as when using it.

### Storage conditions:

Store in tightly closed containers, in a well-ventilated place, away from direct sunlight, at a temperature of less than 30 °C and protect from freezing.

Places and how to use Application

Place of Use	Consumption Dilution	Method of preparation of dilute solution	Method of Use
Disinfection of inside of tanks and water transfer pipes	1:200	250 cc in 50 liters of water	Rotational passage
Disinfection of surfaces after washing with a strong detergent solution:			
In the case of high pollution (contamination)	1:100	200 cc in 20 liters of water	Spray
In normal mode	1:200	200 cc in 40 liters of water	Spray
Disinfection of vehicles, poultry and livestock equipments for 30 minutes	1:200	250 cc in 50 liters of water 250 cc in 50 liters of water	Spray- immersion
Air disinfection for 100 cubic meters	1:200		Spray
Disinfection of maternity pens, cow barns and hospital.	1:100	200 cc in 20 liters of water	Spray



#### About us

Sepidan Matin Asia Pharmaceutical Co. manufacturer of drugs and disinfectants used in livestock, poutries, and aquatics industries

**Products:** See all products

**Contact us:** Contact, consultation, and placing orders

#### **Sepidan Matin Asia Pharmaceutical Co.**

Sepidan Matin Asia Pharmaceutical Co. with the objectives of manufacturing disinfection products and disinfectants used in livestock, poutries, and aquatics industries with its motto: "Manufacturing quality products for international markets "was established in 2005 and has been active since 2007.

Sepidan Matin Asia Pharmaceutical Co. is a customer-oriented company. The Company by employing experienced expert staff and benefiting from the experienced professors and coworkers in the field as well as using modern lab and manufacturing equipment has formed an integrated and efficient complex to achieve its top goal i.e. manufacturing quality and effective products and supply of products in domestic and international markets.

Believing in the importance of development and progress in the research and manufacturing section, by employing expertise and specialist experts in fields like veterinarian medicine, pharmacy, microbiology, chemistry, livestock management .... and recruiting its cadre and academics has managed to form an efficient team that is constantly exchanging their views with outstanding coworkers and professors of universities and scientific institutions. After the establishment of microbiological and chemical expertise laboratories as well as specialized farms for conducting farm experiments, the Company has managed to provide the required groundwork for conducting necessary researches for producing high-quality disinfectants.

The quality of any disinfectants manufactured by this Company conforms to international standards and its products are exported to all neighboring countries. It is worth mentioning that among the goals of the Company one is the development of exporting products to international markets.

#### **Policy:**

This Company has set a policy of manufacturing quality disinfection products and disinfectants and increasing satisfaction of its customers and has accordingly committed its management and all of its personnel to fulfill such a goal. For meeting such a demand, any needed raw materials for manufacturing the products are purchased from the best available sources in markets, and under the supervision of experts in different sections of the QC section of the plant, the chemical, microbiological, and QC tests are conducted on raw materials and upon final approval enter production line afterward.

Manufacturing of quality products calls for regular and precise supervision by experts of the production section in every stage and process of manufacturing.

#### **The main goals of our company are:**

- 1- Increase of quality of manufactured products.
- 2-Increasing the level of personnel expertise and knowledge.
- 3-Development and completion of products basket for being used in any farms and production fields to answer the demands of the users.
- 4-Increasing customer satisfaction.



## C-urotropine

Urinary tract antiseptic

**Drug group:** Urinary tract antiseptic

**Medicinal form:** powder

**Target animal:** Poultry

**Chemical compounds:** Methenamine and other add-ons

### Pharmacology:

C -urotropine kills bacteria in the urine through by releasing formaldehyde into the urinary tract and bladder. AlsoLikewise, when the bladder is affected by acidic urine, this drug with alkaline properties improves the bladder inflammation. C- urotropine is active against many urinary pathogens and resistance to it , is developed slowly is slow. The in In vitro tests have been shown that C -urotropine , dissolves uric acid in itself.

### Indications and usage:

C -urotropine is used for the treatment of cystitis, kidney stones, gallbladder and to prevent diseases such as: Blue comb, visceral Visceral and joint gout, nephrosis Nephrosis (gumboroGumboro), enteritis-Enteritis, salmonellosis Salmonellosis and colibacilosis all kinds of bacillosis.

**Dosage and administration**Amount and method of consumption:

1-22gr / lit for 3 to 6 consecutive days by dissolving in water.

**Necessary recommendations at the time of consumption:**

- Don't Do not use C-urotropine with sulfonamides, as it may causes the formation of insoluble deposits in the urinary tract and bladder.
- The consumption solution should be prepared on the same day and consumed immediately after the preparation.

### contraindications Avoidance:

Five days before slaughtering, the medicine should be discontinud stopped and fresh water should be provided to the poultry.



## HYDROGEN PEROXIDE

+ PERACETIC ACID

A strong disinfectant and antibacterial solution which is effective against a wide range of viruses, bacteria and fungi

#### Chemical compounds:

25% hydrogen peroxide, 5% peracetic acid, deionized water, synergizing and stabilizing substances.

#### Mechanism of action:

In comparison with the other disinfectants (disinfectants based on aldehyde compounds, tetravalent ammonium compounds, phenolic compounds, iodine compounds and so on) hydrogen peroxide + peracetic acid disinfectant solution is a very strong, effective and broad-spectrum disinfectant, without toxic and corrosive effects on the surfaces and is extremely effective against all the disease-causing microorganisms (virus, bacteria, fungi, mold, yeast and protozoa).

#### Hydrogen peroxide:

The hydrogen peroxide present in this solution is a strong oxidizer that oxidizes sulfur (SS) and sulfuryl (-SH) bonds in the molecules of proteins, enzymes and other metabolites. This ultimately disrupts the function of the cell membrane thus leading to the destruction of the cell wall.

#### Peracetic acid:

The peracetic acid present in the composition of this solution reacts with the molecules containing double bonds and destroys the osmotic activity of the cytoplasmic membrane lipoproteins by rupturing and causing structural changes in the cell wall structure and disrupts cell activity.

By oxidizing the essential cell enzymes, this solution disrupts the cell's vital biochemical pathways and active transport through membranes, reducing the level of intercellular material. Peracetic acid reduces the activity of beta-D-galactosidase enzyme. Likewise, the anaerobic microorganisms are sensitive to peracetic acid due to the inactivity of the catalase and superoxide dismutase enzymes.

The organic radicals derived from the peracetic acid have spore-killing properties and can act as a reducing agent against the spores that are naturally oxidized.

#### Attention:

- Always use freshly prepared solution.
- the diluted solution and ready to use in containers can be used for 24 hours.
- When prescribing the medicine or vitamins orally, do not add any disinfectant compounds to the water containing them.

#### Precautions:

- When working, use a suitable cover, gloves, mask and glasses.
- Avoid breathing its vapors.
- The concentrated solution irritates the eyes and skin. In case of contact, wash the area immediately with clean water and see a doctor if necessary.

#### Maintenance:

Store in tightly closed containers in a cool place (below 10-25 ° C) with proper ventilation, away from direct sunlight and heat sources.



## HYDROGEN PEROXIDE

+ PERACETIC ACID

Places and how to use:

Instructions for use in the livestock farms:

Where to Use	Consumable Dilution	How to prepare a dilute solution	Instructions
Disinfection of the surfaces (halls) that have already been washed and cleaned	1:200 1:100	250 cc in 50 liters of water Half a liter in 50 liters of water	Spray Immersion and spraying
Disinfection of all the tools, supplies and equipment	1:100	Half a liter in 50 liters of water	Mix with water
For use in the disinfection of the ponds (halls and farms)	1:1000 -1:2000	Half to a liter in one tone of food	Spraying and mix with water
Feed disinfection before processing	1:350 – 1:500	40 – 60 cc in 20 liters of water	Circulation in the system
Disinfection of the milking systems, transmission lines, transport tanks and maintenance of milk	1:20000 1:350-1:500	Half a liter in 10,000 liters of water 40 – 60 cc in 20 liters of water	Mix with water Spray
Disinfecting the water for drinking	1:400	250 cc in 100 liters of water	Mix with water
Peri-Deep (disinfection of the cow's udder before milking)	1:250-1:350	300-400 cc in 100 liters of water	Spray on the carcasses
Poison disinfection (to fight lameness)	1:200	Half a liter in 100 liters of water	Spray

Instructions for use in the poultry farms:

Where to Use	Consumable Dilution	How to prepare a dilute solution	Instructions
Disinfection of the halls after the initial washing	1:200	250 cc in 50 liters of water	Spray
Disinfection of all the tools, supplies and equipment	1:200	Half a liter in 100 liters of water	Immersion and spraying
For use in disinfecting the entry ponds	1:400	250 cc in 100 liters of water	Mix with water
Disinfection of the hall space (with the presence of chickens)	1:1000	100 cc in 100 liters of water	Spray
Disinfection of the grain before processing	1:1000-1:2000	Half a liter in one tone of grain	Spaying and mix with water
Disinfection the water for drinking	1:20000	Half a liter in 10,000 liters of water	Mix with water
Disinfection of the chiller water in the slaughterhouse	1:1000-1:1500	750 cc to 1 liter per cubic meter	Mix with water
Disinfection of the water supply lines (in order to eliminate biofilm)	1:200	Half a liter in 100 liters of water	Circulation in the system for 2- 4 hours
Disinfection of all the incubators and hatching machines	1:400	250 cc in 100 liters of water	Spray

Instructions for use in the aquaculture farms

Where to Use	Consumable Dilution	How to prepare a dilute solution	Instructions
Disinfecting the inside parts of tanks and water pipes	1:400	250 cc in 100 liters of water	In the absence of water, use the spraying or rotating method
Disinfection of the fish ponds and breeding ponds	1:400	250 cc in 100 liters of water	In the absence of water, use the spraying method
Water disinfection and fighting against the skin and parasitic diseases (ectoparasites and parasites)	1:70,000-1:100,000	100 – 200 cc in 10,000 liters of water	In the presence of fish, use the sequential addition method
Eliminating the algae on the floor and walls of pools	1:100,000	150 cc in 10,000 liters of water	In the presence of fish, use the sequential addition method



A disinfectant solution with extraordinary power and wide range of effects, effective against a variety of viruses, bacteria and fungi

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock and poultry.

**Chemical compounds:**

Glutaraldehyde 10gr / 100ml, benzalkonium Chloride 10gr / 100ml, didecyldimethylammonium chloride (DDAC) 2.8gr / 100ml, deionized water, synergizing and stabilizing substances materials.

**Mechanism of action:**

MFG 200 disinfectant solution is a powerful disinfectant with a wide range of effects that is effective broad spectrum of action against bacteria, viruses (including the viruses that cause influenza flu-causing viruses, newcastleNewcastle, gumboro Gumboro, bronchitis, snow fever Foot-and-Mouth disease, etc.) , mycobacterium , fungi and mycoplasmas . This solution is very effective in the presence of organic materials and water with high hardness and maintains its disinfecting effect for a long time.

**Indications and usage:**

MFG 200 solution is a powerful and effective disinfectant for disinfecting the poultry houses and livestock breeding grounds, hatcheries, cages, all surfaces, poultry equipments (drinking, feeding and so on), maternity pens, cow barns calf boxes, veterinary clinics and hospitals, all hospital equipments and supplies, vehicles (trucks carrying one day-old chicks,

**Places and how to use:**

Place of use	Consumption dilution	Method of preparation of dilute solution	method of use
In normal condition and absence of specific disease	1:200	250cc in 50 liters of water	Spraying
In case of epidemic as well as disinfection of surfaces that are difficult to wash	1:100	200cc in 20 liters of water	Spraying
Disinfection of aviculture and livestock farming equipments for 30 minutes	1:100	200 cc in 20 liters of water	Immersion
For use in inlet disinfection ponds	1:40	250 cc in 10 liters of water	Mix with water
Disinfection of the maternity pens, cow barns and hospital.	1:100	200 cc in 20 liters of water	spraying



## SMA Dezolite F10

Drug group: disinfectant

Pharmaceutical form: solution

Target animal: livestock, poultry and aquatic animals.



### Disinfectant solution with extraordinary strength and wide range of effects

**Chemical compounds:** 3gr / 100ml glutaraldehyde, 3.5gr / 100ml didecyldimethylammonium chloride, 12gr / 100ml formaldehyde, 1gr / 100ml benzalkonium chloride, deionized water, synergizing and stabilizing agents.

**Mechanism of action:** The SMA Dezolite f 10 disinfectant solution inactivates the microorganisms by acting on the amino groups of proteins as well as the nitrogen atoms of the purine ring of nucleic acids. With its quaternary ammonium compounds, this solution has also a high disinfectant effect and thus kills gram-positive and gram-negative bacteria, viruses, fungi and spores. (It is also very effective against viruses causing influenza, newcastle, gumboro, bronchitis, all kinds of bacillosis and snow fever). Likewise, it has a broad-spectrum antiseptic effect.

**Indications:** SMA Dezolite F10 solution is a powerful and effective disinfectant for disinfecting the poultry houses, maternity pens, hatcheries, cages, all surfaces, poultry equipment and poultry farms (drinking fountains, feeders, etc.), breeding grounds, calves, veterinary clinics and hospitals, all veterinary equipment and supplies, vehicles (trucks carrying one day-old chicks, grain, livestock, manure, live chickens,

etc.), industrial cold stores, livestock and poultry slaughterhouses, working clothes, boots, flooring, etc. It is also used in the disinfection ponds at the entrances of farms and breeding halls.

#### Attention:

- Diluted solution of SMA Dezolite F10 can be used for one week in closed containers.
- Containers and equipment that are directly related to water and feed for the livestock and poultry (drinking, feeding, etc.), should be thoroughly washed with water after disinfection.

#### Precautions:

- The solution should be used in well-ventilated environments.
- When diluting and using this solution, use a suitable cover, glasses, mask, gloves and boots.
- This solution should not be mixed with other chemicals and detergents.
- Avoid the contact of this solution with the animal's body, water and food.

#### Maintenance:

Store in tightly closed containers, in a well-ventilated place, away from direct sunlight at a temperature below 30 ° C and protect it from freezing.

#### Places and how to use:

##### Livestock and poultry:

Place of use	Consumption dilution	How to prepare a dilute solution	Instructions
.Disinfecting the previously washed and cleaned surfaces	1:200	cc in 50 liters of water 250	Spray
.Disinfecting the surfaces that are difficult to wash and are severely contaminated	1:100	cc in 20 liters of water 200	Spray
.Disinfecting the poultry and livestock equipment for 30 minutes	1:100	cc in 20 liters of water 200	Immersion
.For use in the disinfection ponds at the entrance of the livestock and poultry farms	1:40	cc in 10 liters of water 250	Mix with water
.Disinfecting the maternity pens, calf boxes and veterinary hospitals	1:100	cc in 20 liters of water 200	Spray

##### Aquatic (fish ponds):

place of use	Consumption dilution	Instructions
Water disinfection and fighting against the skin and parasitic diseases depending .on the severity of the contamination for fish less than 100 g	20-80cc :1000lit	In the presence of aquatic animals by adopting .the sequential addition method
Water disinfection and fighting against the skin and parasitic diseases depending .on the severity of the contamination for fish over 100 g	80-120cc :1000lit	In the presence of aquatic animals by adopting .the sequential addition method



## SMA Glutaraldehyde 100

A high penetrative disinfectant solution, effective against viruses, fungi and bacteria

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock and poultry

**Chemical compounds:**

Glutaraldehyde 3.12gr / 100ml, Benzalkonium chloride 6.25gr / 100ml, Deionized water, Synergizing and stabilizing substances.

**Mechanism of action:**

The benzalkonium chloride present in this solution affects the cell wall causing sedimentation of the cytoplasm and also facilitates the entry of glutaraldehyde into the cell of the microorganism.

The composition of glutaraldehyde in this solution disrupts the synthesis of RNA and cellular DNA of microorganisms and causes coagulation and destruction of the protein structure of microorganisms. The composition of this solution is very effective against a wide range of gram-positive and gram-negative bacteria, growing forms and spores of bacteria, viruses (including viruses that cause influenza, newcastle, gumboro, bronchitis, snow fever and so on.), mycobacteria (mycobacterium), fungi and mycoplasmas (mycoplasma).

**Indications:**

SMA Glutaraldehyde 100 is a powerful disinfectant that is used to disinfect poultry farms and livestock farms, hatcheries, cages, all surfaces, poultry equipment (drinking, feeding, etc.), maternity pens, calf boxes, veterinary clinics and hospitals, all hospital equipment and

supplies, vehicles (trucks carrying one day-old chicks, grain, livestock, manure, live chickens, etc.), industrial cold stores, livestock and poultry slaughterhouses, working clothes, boots, flooring, etc. It is also used in disinfecting the ponds at the entrances of farms and breeding halls.

**Attention:**

- The containers that are directly related to water and food for livestock and poultry (drinking, feeding, etc.) should be thoroughly washed with water after disinfection.
- The diluted solution of SMA Glutaraldehyde 100 can be used in packaged containers for one week.
- The dilution should be done with cold and clean water.

**Precautions:**

- The solution should be used in well-ventilated environments.
- When diluting and using this solution, use a suitable cover, mask, gloves and glasses.
- This solution should not be mixed with other chemicals and detergents.
- Avoid the contact of this solution with the animal's body, water and food.

**Maintenance:**

Store in tightly closed containers, in a well-ventilated place, away from direct sunlight, at a temperature of less than 30 ° C and protect from freezing.

### Places and how to use

Place of use	Consumption dilution	How to prepare a dilute solution	Instructions
In the normal condition where there is no specific disease, to carry out the disinfection, the surfaces should be washed.	1:100	200 cc in 20 liters of water	spray
In case of epidemic as well as disinfection of the surfaces that are difficult to wash.	1:50	200 cc in 10 liters of water	spray
Disinfection of the poultry and livestock equipment for 30 minutes.	1:50	200 cc in 10 liters of water	Immersion
For use in disinfecting the ponds at the entrance of the livestock and poultry halls.	1:20	500 cc in 10 liters of water	Mix with water
For disinfecting the maternity pens, calf boxes and hospital disinfection.	1:100	200 cc in 10 liters of water	spray



## Benzalkonium chloride 20%

A strong disinfectant and antibacterial solution affecting a wide range of viruses, bacteria and fungi

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock, poultry and aquatic animals

**Chemical compounds:** Benzalkonium chloride 20gr / 100ml, deionized water, synergizing and stabilizing substances.

**Mechanism of action:** By acting on the cell wall, the benzalkonium chloride 20% disinfectant solution causes deposition of the cytoplasm and prevents the activity of some vital enzymes of microorganisms. The chlorine ion in this solution breaks the link between the DNA and RNA strands in the viruses and is also effective against viruses that cause influenza, newcastle disease, gumboro, bronchitis, all kinds of bacillosis and snow fever. Benzalkonium chloride 20% has bactericidal effect even at low concentrations.

**Indications:** The benzalkonium chloride 20% solution is a powerful and effective disinfectant for disinfecting the poultry farms and livestock breeding grounds, hatcheries, disinfecting the eggshells, cages, all surfaces, poultry equipment and supplies (drinking, feeding, etc.), maternity pens, veterinarians, clinics and veterinary hospitals, all hospital equipment and supplies, vehicles (trucks carrying one day-old

chicks, feed, livestock, manure, live chickens and so on), industrial cold storages, livestock and poultry slaughterhouses, working clothes, boots and floors. It is also used for disinfecting the ponds at the entrances of farms, breeding halls and so on.

### Attention:

- The diluted solution of benzalkonium chloride 20% can be used in closed containers for a week.
- The containers and equipment that are directly related to water and livestock and poultry feed (drinking, feeding, etc.) should be thoroughly washed with water after disinfection.

### Precautions:

- The solution should be used in well-ventilated environments.
- When diluting and using this solution, use a suitable cover, mask, gloves and glasses.
- This solution should not be mixed with other chemicals and detergents.
- Avoid the contact of this solution with the animal's body, water and food.

**Maintenance:** Store in tightly closed containers, in a well-ventilated place, away from direct sunlight, at a temperature of less than 30 ° C and protect from freezing.

### Places and how to use :

Place of use	Consumption dilution	How to prepare a dilute solution	instructions
Egg disinfection (before transferring them to the hatchery)	1:1000	250 cc in 250 liters of water	immersion
Disinfection of the milking systems, transmission lines, milk storage and transport tanks	1:200	250 cc in 50 liters of water	Circulation within the system
Disinfection of hatcheries and hatcheries (hatcheries), poultry halls, cages and poultry equipment (drinking fountains, eateries, etc.)	1:200	250 cc in 50 liters of water	spray
For use in the disinfection of the entry ponds and disinfection of the trucks and vehicles	1:200	250 cc in 50 liters of water	Mix in water and immersion
For disinfecting the environment during the outbreak of infectious diseases and epidemics	1:100	250 cc in 25 liters of water	spray
For disinfecting the livestock, maternity pens, calf boxes and hospitals	1:100	250 cc in 25 liters of water	spray

Livestock and poultry:

Place of use	Consumption dilution	instructions
Water disinfection and fighting against the skin and parasitic diseases depending on the severity of the contamination for fish less than 100 g	20-80cc :1000lit	In the presence of aquatic animals by adopting the sequential addition method
Water disinfection and fighting against the skin and parasitic diseases depending on the severity of the contamination for fish more than 100 g	80-120cc :1000lit	In the presence of aquatic animals by adopting the sequential addition method

Aquatic (fish ponds):



## CETRIMIDE (SAVON)

### Topical Disinfectant Solution

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock, poultry

**Chemical compositions:**

Cetrimide: 37.5 g/100ml; Chlorohexidine gluconate: 7.5 g/100ml, Deionized water, synergistic synergizing and materials and stabilizer stabilizing substances.

**Mechanism of Action:**

Cetrimide disinfectant solution has the same cationic properties similar to as the tetravalent 4-valent ammonium compounds which operates in two stages: In the first stage, it dissolves the biofilms which keeps microorganisms on the surface and in the second stage, it destroys them. The cationic part of this solution substance which is attached to the anionic part of the cell wall of bacteria, viruses and fungi and enters the cell membrane and prevents cell growth through loosening the cellular components. Also Chlorohexidine gluconate is replaced with because of bacterial cell wall anions its due to positive charges, replaces bacterial cell wall anions and which by disrupts disrupting the metabolism of the microorganisms ,and it destroys them.

#### Indications and Usage:

Cetrimide disinfectant solution is used for to disinfecting disinfect, wounds, scratches, skin surface, skin abrasions, the outer surface of udder the animal's breast, Maintenance and breeding sites for livestock and poultry farms, maternity pens, cow barns, milking devices and equipments and supplies, livestock and poultry abattoirs, industrial cold storages refrigerators and etc and others.

#### Attention:

- Contact time for disinfecting objects with this solution is 30 minutes. After disinfecting the containers and equipment that are directly related to livestock and poultry water and food (mug, feeder, shelves and...), it should be rinsed thoroughly with water.
- The diluted solution of Cetrimide can be used in a closed sealed containers can be used for a week.
- The duration and amount of use is best should be determined by the prescription of the veterinarian.

#### Places and How to use Application:

place of use	Consumption Dilution	Method of preparation of dilute solution	How to Use
Disinfection of poultry and livestock equipments and tools, and supplies	1:200	250 cc in 50 liters of water	Immersion-Spray
Disinfection of clinical and hospital equipments and supplies	1:100	200 cc in 20 liters of water	Immersion-
Disinfection of wounds, burns and skin abrasions	35cc:1Lit	35 cc in 1 liter of water	Spray
Disinfection of the skin before surgery as well as disinfection of surgical instruments and operating rooms for 2 minutes	35cc:1Lit	35 cc in 1 liter of water	Mix with water
Disinfection of maternity pens, cow barns and hospital.	1:100	200 cc in 20 liters of water	Spray
			Immersion, spray



## VETGYNE 200

Drug group: detergent and disinfectant

Pharmaceutical form: solution

Target animal: livestock and poultry

### A Strong Antibacterial Detergent Solution For Washing The Surroundings, Surfaces and Accessories

**Chemical compositions:** Types of anionic and nonionic surfactants Glutaraldehyde and antibacterial compounds, anti-corrosion agents, Deionized water, synergistic materials and stabilizer.

**Mechanism of Action:** With its foaming and bactericidal properties, Vetgyne 200 detergent solution significantly removes organic matters, proteins and bacteria from the production process and the previous breeding period, and also increases the effect of disinfectants on surfaces, appliances and so on.

**Usage:** Vetgyne 200 detergent solution with its bactericidal properties is considered as a strong and effective disinfectant for disinfecting livestock and poultry breeding salons, incubators and hatcheries, cages, all surfaces, poultry accessories and equipment (drinking and eating materials...), maternity, cow barn, clinics and veterinary hospitals, all hospital equipment, vehicles (one-day-old chicken trucks, Livestock,

Fertilizer, live chicken and...) industrial refrigerators, livestock and poultry abattoir, industrial garments (uniform), boots, pavements and others. And it is also used as a disinfectant of entrance pool, hatchery saloons and so on.

#### Attention:

- The best time after spraying on surfaces and immersing poultry and livestock equipment is 15 minutes.

#### Precautions:

- Avoid direct contact of the solution with the eyes and skin.
- In case of contact with the diluted solution, wash the eyes and skin immediately with clean water.
- Avoid combining this solution with other chemicals.

**Maintenance:** Store in a tightly closed container, in a well-ventilated place, away from direct sunlight, at a temperature below 30 ° C and protect from freezing.

#### Place and how to use

Livestock and breeding farms	Consumption dilution	How to prepare a dilute solution	Instructions
Wash and disinfect all the surfaces (Walls, floors, corridors, etc.)	1:100 - 1:150	Washing and disinfecting surfaces that are easy to wash (smooth and polished), (use half a liter in 75 liters of water) Washing and disinfecting surfaces that are difficult to wash and have a lot of dirt, (use half a liter in 50 liters of water)	Spray
Washing and disinfecting all the tools, supplies and equipment	1:100	half a liter in 50 liters of water	Immersion and spraying
Washing and disinfection of livestock, maternity pens, calf boxes, slaughterhouses, hospitals and so on	1:100	half a liter in 50 liters of water	Spray
Washing and disinfection of machines for transporting grain, fodder, livestock and so on	1:100	half a liter in 50 liters of water	Spray
For use in the entrance of the disinfection ponds for people and vehicles	1:100	half a liter in 50 liters of water	Mix with water

#### Poultry breeding farms

Place of use	Consumption dilution	How to prepare a dilute solution	Instructions
Washing and disinfection of all the surfaces (halls, walls, floors, corridors and so on)	1:100-1:150	Washing and disinfecting surfaces that are easy to wash (smooth and polished) half a liter in 75 liters of water	Spray
Washing and disinfection of all the tools, supplies and equipment (food, drinkers, cages and so on)	1:100	half a liter in 50 liters of water	Immersion and spraying
Washing and disinfecting the machines for transporting grain, one day-old chicks, fertilizers, live chickens and so on	1:100	half a liter in 50 liters of water	Spray
Washing and disinfection of factories, devices, slaughterhouses and hatcheries	1:100	half a liter in 50 liters of water	Spray
Disinfection of floors, boots and so on	1:100	half a liter in 50 liters of water	Spray
For use in the entrance of the disinfection ponds for people and vehicles	1:100	half a liter in 50 liters of water	Mix with water



## FORMALIN

**%37**

### A disinfectant and antiseptic solution

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock and poultry

**Chemical compositions:**

Formaldehyde: 37 gr/100 ml; Methanol: 6-9 gr/100 ml.

**Mechanism of Action:**

Formaldehyde with the scientific name of methanol. It is a very strong and wide range disinfectant which has been effective in the structure and function of most bacteria, viruses, spores and fungi. This feature increases the microbial effect of this product.

**Usage:**

This solution is used in livestock and poultry breeding industry for disinfection and sterilization of all equipment, machinery, livestock and poultry breeding halls (before hatching) and also for use in disinfection ponds, livestock farms, poultry farms and disinfection of vehicles.

**Application:**

For the disinfection of poultry breeding halls (before hatching), after complete discharge of manure, residual feathers, carcasses and other contaminants from the hall, first, wash the hall with high-pressure hot water and detergent solution. Then, by smoking, we disinfect and sterilize the hall by combining formalin and potassium permanganate (combining 20 grams of potassium permanganate with 40 cc of formalin 37% per cubic meter).

- To disinfect livestock breeding surfaces, equipment and environment, spray 37% formalin disinfectant solution after dilution in the intended area and contaminated surfaces.

**Attention:**

- Do not use Formalin 37% solution directly in the presence of livestock or poultry.
- To dilute this solution in cold weather, use hot water with a temperature of 35 to 45 degrees Celsius to spray on the surfaces.
- The duration and amount of use should be determined by the prescription of the veterinarian.

**How to neutralize Formaldehyde:**

Water-soluble formaldehyde can be neutralized using a concentrated solution of sodium hydrogen sulfite.

**Precautions:**

- People that are sensitive to Formalin should not use this solution.
- Use a mask, gloves, glasses and work clothes when using.
- In case of contact with skin and eyes, rinse the area with plenty of water and seek immediate medical attention (it has been indicated on the product label.)

**Storage conditions:**

Store in tightly closed containers in a well-ventilated place away from direct sunlight at a temperature of 15-35 ° C and protect from freezing.



## Responsible for Eliminating the fats, biofilms and food left in the drinking pipes

**Pharmaceutical form:** solution

**Chemical compounds:** Sodium hydroxide, corrosion inhibitors to prevent damage to pipes, stabilizers and deionized water.

### Mechanism of action:

The xgyne pipe opener solution completely dissolves the fats, food residues in the drinking pipes and biofilms that gradually are formed gradually and cause water pollution and blockage of pipes. It also eliminates the algae and sediments other materials that have been formed a sediment in the water tanks and pipes that eventually which cause reducing reduce the quality of drugs, supplements and additives. This solution contains special compounds that protects the metal pipes (except zinc) against corrosion. It is also odorless and vaporless and does not boil when it comes into contact with water.

### Indications and usage:

The xgyne pipe opener solution is used to remove the clogging and preventing blockage of all types of pipes and drinking fountains, which is due to the accumulation of mass and fat in them. This solution dissolves the remaining mass and contamination that remain in the pipes and by removing them, it causes reopens the pipes to open.

### The amount and method of consumption:Dosage and administration :

To use this solution, first allow the water inside the pipe to drain completely, then close the end of the pipe, mix the pipe opener solution with three times water (1 liter of xgyne solution with 3 liters of clean water) and pour it in the taken path intended area. and Allow allow the pipe opener solution to take effect for a few hours and be performed

reaction perform its work for some hours (12 hours is the most optimal effectiveness effect time), then rinse the pipes again with water and it will be ready now for use.

### Attention:

- To avoid wasting the solution, pour the enough Xgyne pipe opener solution that is only enough to fill only the pipes.
- To calculate the amount and volume of solution used, you can multiply the cross section of the pipe along the length of the pipe.

### Precautions:

- Keep the solution out of the reach of children.
- Use a mask, glasses, gloves and cape when using.
- Avoid the contact of this solution with the animal's on the body, water and animal food feed.
- In case of contact with the skin and eyes, rinse immediately with clean water for 15 minutes, then consult a physician.
- Avoid combining this solution with other chemicals.

### Storage conditions Maintenance:

Store in tightly closed containers in a well-ventilated place away from the direct sunlight at a temperature below 30 ° C and protect from freezing.



## POVIDONE-IODINE 10% (BETADINE)

A topical disinfectant solution

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock and poultry

**Chemical compounds:**

Povidone-iodine 10gr / 100ml, glycerin, deionized water, synergizing and stabilizing substances.

**Mechanism of action:**

Like chlorine, iodine kills the gram-positive and gram-negative bacteria, Sporobacterium, fungi, and most viruses due to its high oxidizing power. Iodine destroys the disease-causing microorganisms by interfering with the metabolic reactions as well as destroying the structure and stopping the synthesis of the proteins and nucleic acids.

**Indications:**

The povidone-iodine 10% disinfectant solution is used for disinfecting the skin, mouth and tongue of livestock, wounds, scratches, skin abrasions, external surface of livestock breast, site disinfection before and after surgery, disinfection of livestock and the poultry and milking tools and equipment.

**Place and how to use**

Place of use	Consumption dilution	Instructions
Disinfecting the wounds, cuts and abrasions of the skin and burns	Without dilution	Use on the affected place
Disinfection of the poultry and livestock equipment, clinical equipment and hospitals (2.5%)	25 ml in 1 liter of water for 20 minutes	Immersion
Disinfection of the poultry and livestock environment, incubators, clinics and hospitals	1:10	Spray
Disinfection of the udders of the livestock before milking	1:10	Spray and immersion
Disinfection of the udders of the livestock after milking	Without dilution	Immersion



**NEW**  
**POVIN D7**  
**(TEAT GUARD)**

An animal breast udder disinfectant solution (Teat Deep)

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock

**Chemical compounds:**

Povidone Iodine 3gr / 100ml, glycerin, special compounds for creating a protective layer, deionized water, synergizing and stabilizing substances.

**Mechanism of action:**

Povin D7 disinfectant solution is a broad-spectrum disinfectant with suitable antimicrobial effects. This solution is effective against the gram-positive and gram-negative bacteria, growing forms and spores of bacteria, viruses and fungi. One of the outstanding features of this product is the elimination of all the mastitis-causing microorganisms (mastitis) such as E.coli. It also contains special compounds that create a protective and emollient layer that prevents the udder from drying out, cracking and inflammations caused by it, as well as it prevents pathogens from entering the breast udder tissue.

**Indications and usage:**

The povin D7 disinfectant solution is used for complete washing and disinfection of the udders of the cows udder, before lactation and tit teat dip after milking (without dilution, by spraying or immersion), milking machines, milk transfer pipes, tanks and milk containers for transporting and storing milk.

**Advantages:**

Compared to other similar disinfectants, the povin D7 disinfectant solution has the highest coverage, the highest effectiveness, is drip-free and very cost-effective.

**Attention:**

- Colorless or pale solution has no antimicrobial properties.
- When using the teat guarding (using spray), the teats should be covered with the solution in all the any directions.

**Precautions:**

- Avoid the contact of this solution with the animal's water and food.
- Do not dilute with water more than 30 °C degrees Celsius.
- Avoid reusing empty gallons of solution.
- Avoid mixing the solution with other chemicals.

**Maintenance Storage conditions:**

Store in tightly closed containers, in a well-ventilated place, away from direct sunlight at a temperature below 30 °C and protect from freezing.

**Places and how to use**

Place of use	Consumption dilution	method of use
Disinfection of the teat of the animal after milking (by using special cups)	Without dilution	Immersion
Disinfection of the milking machines, milk transfer pipes, containers transporting and storing milk	1:10	Circulation incide the system



**NEW**  
**TIDAN %1.5 PLUS**  
(DRIPLESS TEAT GUARD)

A strong disinfectant solution for teat dip

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock

**Chemical compounds:**

Iodine 1.5gr / 100ml, glycerin, deionized water, synergizing and stabilizing substances.

**Mechanism of action:**

The tidan 1.5% disinfectant solution is a strong and broad-spectrum disinfectant with a suitable antimicrobial effect to kill all the mastitis-causing microorganisms (mastitis) such as streptococci and staphylococci in livestock. Likewise, with the protective membrane created by this product, the breast is completely protected from the entry of the gram-positive bacteria (staphylococcus-streptococcus) and gram-negative bacteria (E.coli., salmonella), viruses, fungi and the growing forms and spores of bacteria. This product has emollient compounds to prevent the drying and cracking of the teat and inflammation caused by it.

**Indications:**

The tidan 1.5% disinfectant solution contains the active ingredient iodine and glycerin, which are used to disinfect the livestock teats before and after milking, as well as to protect the teats against cracking.

**Dosage:**

To tit-dip the udder after milking (by immersion method) using a special tit cup or cup, remove the solution without dilution, immerse the nipple in it, so that the teat is completely covered by the disinfectant solution.

**Attention:**

- It is recommended to prevent the animal from lying on the bed for at least 20 minutes after using the teat guard disinfectant solution with proper management. This is in order to allow the protective layer film to completely dry and thus prevent the entry of microorganisms into the tissue of the udder.
- Colorless or faded solution has no antimicrobial properties.
- When using by spraying, cover the teat with the solution in all the directions and use fresh solution.

**Advantage:**

Tidan 1.5% disinfectant solution has the highest coverage, highest effectiveness, no leakage and is very cost-effective compared to other similar disinfectants.

**Precautions:**

- Avoid getting into contact with water and animal feed.
- Avoid reusing the empty gallons of this solution.
- Close the lid of the gallon tightly after use.

**Maintenance:**

Store in tightly closed containers, in a well-ventilated place, away from direct sunlight, at a temperature of less than 30 ° C and protect from freezing.



**NEW**

## **TIDAN %1 PLUS**

**(DRIPLESS TEAT GUARD)**

**A strong disinfectant solution for performing teat dip**

**Drug group:** disinfectant

**Pharmaceutical form:** solution

**Target animal:** livestock

**Chemical compounds:**

Iodine 1gr / 100ml, glycerin, deionized water, synergizing and stabilizing substances.

**Mechanism of action:**

The tidain 1% disinfectant solution is a strong and broad-spectrum disinfectant with a suitable antimicrobial effect to kill all the mastitis-causing microorganisms such as streptococci and staphylococci in the livestock. It also, with the protective membrane that is created by this product, it also completely protects the udder completely from the entry of gram-positive bacteria (staphylococcus-streptococcus), gram-negative bacteria (E.coli-salmonella), viruses, fungi, the growing forms and spores of bacteria. This product has emollient compounds to prevent drying and cracking of the teat and inflammation caused by it.

**Indications and usage:**

Tidian 1% disinfectant solution is used to disinfect the teat of the animal after milking (post dip) and control mastitis control.

**Dosage and administration** The amount and method of consumption:

To teat dipping tit the animal udder after breastfeeding milking (by immersion method) using a special tit teat cup or cup, remove the solution without dilution, immerse the teat in it so that the teat it is completely be immersed covered with in the disinfection solution.

**Attention:**

- It is recommended to prevent the animal from lying on the bed for at least 20 minutes after using the teat guard disinfectant solution with proper management so that . This is in order to allow the protective film and protective layer to completely to be dried dry thus and preventing prevents the entry of the microorganisms into the tissue of the udder.

- Colorless or faded solution has no antimicrobial properties.
- When using the spraying method , cover the teat should be covered with the solution from all the directions and use a fresh solution should be used.

**Advantages:**

Tidain 1% disinfectant solution has the highest coverage, highest effectiveness and is very cost effective compared to other similar disinfectants.

**Precautions:**

- Avoid the contact of this product with the animal's water and food.
- Avoid reusing the gallons of this solution.
- Close the gallon lid tightly after use.

**Storage conditions:**

Store in tightly closed containers, in a well-ventilated place, away from direct sunlight, at a temperature of less than 30 ° C and protect from freezing.



Drug group: disinfectant

Pharmaceutical form: solution

Target animal: livestock and poultry

## IODOPHORE %3

A STRONG AND EFFECTIVE DISINFECTANT SOLUTION ON A VARIETY OF VIRUSES, BACTERIA AND FUNGI.

### Chemical compositions:

Iodine 3gr/100ml, nonionic surfactant, deionized water, Synergistic materials and stabilizer.

### Mechanism of Action:

Iodophore 3% disinfectant solution is effective on gram positive and negative bacteria, growing bugs and spores of bacteria, viruses and fungi. It is also effective against common pathogens in livestock and poultry including bronchitis, influenza, newcastle, gumboro, colibacillosis and food-and-mouth disease.

### Usage:

Iodophore 3% disinfectant solution is considered as a strong and effective disinfectant for disinfecting poultry farming halls and livestock storage places, incubators and hatcheries, cages, all surfaces, poultry accessories and equipment (drinking and eating materials...), maternity, cow barn, clinics and veterinary hospitals, all hospital equipment, vehicles (one-day-old chicken trucks, Livestock, Fertilizer, Live chicken and....) industrial refrigerators, livestock and poultry abattoir, breastfeeding machines, milk transfer pipes and disinfecting the eggshell, industrial garments (uniform), boots, pavements and others.

### Places and how to use:

#### Instructions for use in poultry farms:

Where to Use	Consumable Dilution	How to prepare a dilute solution	Instructions
Disinfecting the breeding and maintenance halls, surfaces, floors, walls, tools, equipment, cages and so on	100-1:60	In cases of infection and epidemic 1:60 In normal cases 1: 100	Submersion – spraying
Disinfecting the factories, devices and incubators (hatcheries).	1:100	200 cc into 20 liters of water	Spray
Disinfection of the entry ponds	1:100	200 cc into 20 liters of water	Mix with water
Egg shell disinfection (before transfer to hatcheries)	1:500	200 cc into 100 liters of water	Spraying and immersion

#### Instructions for use in the livestock farms

Where to Use	Consumable	How to prepare a dilute solution	Instructions
Disinfecting the breeding and maintenance halls, surfaces, floors, walls, tools, equipment, cages and so on.	Dilution 100-1:60	In cases of infection and epidemic 1:60 In normal cases 1: 100	Submersion – spraying Spray
Disinfection of all the tools, supplies and equipment, maternity pens, calf boxes, hospitals and so on.	1:100	200 cc into 20 liters of water	Circulation within the system
Disinfection of the lines, milk storage, transportation tanks and milking systems (crabs, pipes and so on.)	1:100	200 cc into 20 liters of water	Spraying and immersion
Disinfection of the entry ponds	1:100	200 cc into 100 liters of water	



## Oxalin F

Gas disinfectant  
(originating from formaldehyde)

### Anti-virus – antibacterial – anti-fungal

**Chemical compounds:** dihydroxymethane ... 75%, synergizing and stabilizing compounds... 100%, strong acid complex ... 650ml.

**Mechanism of action:** This colorless gas disinfectant is very irritating and penetrating. The mechanism of action of this disinfectant is the regenerative property and deposition of proteins in the structure of disease-causing microorganisms. This disinfectant has bactericidal, virocidal, fungicide and is very effective on spores.

**Method of Use:** When using, make sure that all the openings in the hall (chimneys, ventilators, fans, windows and so on) are closed. Then pour the prepared solution (bottle of strong acid complex) into a sloping metal container with an opening, preferably 17 - 20 kg that is clean and dry. Then quickly add the powder to it for 15-20 seconds (with the help of a stick that is approximately one meter). Mix well until the mixture is complete and the reaction is complete (gas is facilitated). Keep the doors of the halls closed for 12-24 hours for more effect.

**Maintenance:** Store in a cool, dry place at a temperature between 15-25 ° C, with proper ventilation, away from direct sunlight, heat and other flammable sources.

**Safety tips:**

- 1- Keep out of reach of children.
- 2- When using this product, personal protective equipment, glasses, work clothes, special masks, gloves and appropriate shoes should be used.
- 3- Avoid the direct contact of this liquid with the skin, eyes, clothes and other separate accessories. (In case of contact of strong acid complex solution with the skin, immediately wash the contact area with clean water for 15 minutes and see a doctor if necessary).
- 4- Avoid breathing the resulting gases (in case of possible breathing, move the casualty to the open air, use oxygen if necessary).

**Amount and place of use:**

Place of use	The amount to use
In cases of epidemic, also when there is a lot of pollution and a history of disease in the environment:  Disinfection of the poultry breeding and storage halls, factories and incubators, feed mills, warehouses, all equipment and supplies (feeders, drinking fountains, cages and so on), facilities, etc.	Each pack of this disinfectant for gassing (smoking) 200-300 cubic meters of space for 12-24 hours.
Under the normal circumstances (absence of environmental pollution and disease):  Disinfection of the poultry breeding and maintenance halls, factories and incubators, feed preparation factories, warehouses, all equipment and supplies (feeders, drinking fountains, cages, etc.), facilities and so on.	Each package of this disinfectant for gasification (smoking) 250 - 350 cubic meters of space for 12-24 hours.
Disinfection of the eggshells before transferring them to the incubators in the hatcheries	Each pack of this disinfectant for gassing (smoking) 250 cubic meters of space for 20- 25 minutes.



## PHARMACID

Acidic Detergent

Acidic Detergent and Cleaner

Pharmaceutical form: solution

Chemical compositions:

Phosphoric acid, Nitric acid along with anti-corrosion materials, Deionized water, synergistic synergizing materials and stabilizer stabilizing substances.

Mechanism of Action:

Pharmacid is used with applied 3 important effects after alkaline washing:

- Eliminate Elimination of the alkaline properties property of the detergent used so that, which not be transferred to the milk in the later stages next steps of milking . it should not be transferred to the milk.
- Preventing the formation of milk stones by dissolving the remaining calcium salts of milk inside the milking machine.
- Preventing the formation of water sediments , which is caused due to by the use of water in the washing process and depending on the hardness of the water consumed over time.

Indications and Usage:

Usable Can be used in automatic and semi-automatic milking systems.

Dosage Application:

- Depending on the PH pH rate of the solution which is was used in the alkaline washing process (pharmacan solution) , as well as the degree of hardness of the water consumed, the Pharmacid solution with a concentration of between 0.5 to 2% (half to 2 liters of pharmacid solution in 100 liters of water) should be is used.

Method of Instruction for Use:

After the process of alkaline washing and rinsing, refill the tank with clean water (Temperature 45 -- 30 30-45 ° C) and add a diluted Pharmacid solution with appropriate dilution, circulate at environment room temperature for 10 minutes, . Then drain the tank and rinse it again.

Physical properties: Yellow solution.



## PHARMAKAN

Alkaline detergent

Alkaline Detergent and Cleaner

Pharmaceutical form: solution

Chemical compositions:

Sodium hydroxide; sodium hypochlorite, Deionized water, synergistic synergizing materials and stabilizer stabilizing substances.

Mechanism of Action:

Pharmakan alkaline liquid consists of three main partsagents, which are:

- Surfactant agent: , Which reduces the surface tension of water, . As a result, the contact between the alkali and the residual remaining milk fats inside the milking machine increases. Finally, it increases the penetrating power of the detergent and alkaline agent in milk fat and ultimately at the end it increases the effectiveness of the detergent solution.
- Chlorine: in detergent, in addition to the destructive effect on fat and protein, it kills existing germs and bacteria.
- Alkaline agent: of This this product , when it came into in contact with fats and reaction reacts with them, it found its soapy property. It causes dissolution and separation dissolves fat and protein from the surfaces inside containers surfaces and facilitates the washing process.

Indications and Usage:

Can be used in automatic and semi-automatic milking systems, washing equipments and milking machines and storage tanks and milk transmission linespipes. (For use in the CIP systems)

Dosage Application:

The amount of consumption is directly related to the type of device and consumption conditions and is between 1-3 percent (1 to 3 liters of Pharmakan solution in 100 liters of water)

Method of Instruction for Use:

After completely draining the milk from the milking machine and its initial rinsing, prepare it with water of 45-40 ° C degrees Celsius for 5-10 minutes. Refill Fill the tank with clean water again and add the required amount (depending on the type of machine) of Pharmakan product (depending on the type of device). And circulate for 10-20 minutes at a temperature of 60-70 ° C degrees Celsius so that the effects of fat grease and protein are completely to be cleaned clean and washed wash away from internal surfaces. Then drain the solution and rinse the system with clean water at 40-50 ° C degrees Celsius.

Physical properties: Transparent solution.



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