

SANI-SQUAD	Water
1 part	50 parts
1 part	100 parts
1 part	200 parts
1 part	300 parts

Dilution Chart For

- Severely contaminated equipment and premises, disease outbreaks or for sanitary removal of litter.
- General disinfectant and for immersion disinfection.
- Sanitizing equipment and clean areas.
- General cleaning of noncontaminated areas and for use prior to formaldehyde fumigation.

SANI-SQUAD is a combination disinfectant. It contains formaldehyde, two quaternaries, and a phenolic, all of which are individually usable as disinfectants. In combination and at recommended dilution levels, each component chemical is active and effective. When combined, you not only get the individual compound effect but also a synergistic action that makes the combination more effective than any of its individual components.

SANI-SQUAD has a base of 36.93% alcohol which prevents freezing as well as acting as a solvent for a variety of substances on inanimate surfaces which are to be disinfected.

Tests on cement and dirt floors have shown that SANI-SQUAD at 1:50 dilution can materially reduce the surface bacterial counts quickly and effectively. For the sanitary removal of litter and soil, use a 1:50 dilution of SANI-SQUAD.

SANI-SQUAD is very active in the presence of organic matter because of its formaldehyde content. It also has good residual bacteriostatic effect because of its quaternary and phenolic content. Its pleasant odor comes from its phenolic portion.

When using SANI-SQUAD at any dilution, spray thoroughly all walls, ceilings, floors, cracks, crevices and animal equipment with the diluted SANI-SQUAD. Spray until all surfaces are thoroughly wet. It is an effective disinfectant and deodorizer for all equipment and houses used for poultry, hogs, cattle, horses, sheep and dogs.

When one part of SANI-SQUAD is diluted with 100 parts of water it will provide a use level solution containing 0.25% Formaldehyde, 200 ppm. Quaternary, and 250 ppm. of its Phenolic Agent.

VINELAND SANI-SQUAD when used as directed will destroy the following organisms at 1:100 dilution.

- Staphylococcus aureus
- Salmonella choleraesuis
- Pseudomonas aeruginosa

NOTE: Do not use in milking stalls, milking parlors or milk houses. Remove all animals, poultry and feeds from premises, cars, boats, trucks, coops and crates. Remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by all poultry and animals. Empty all troughs, racks, and other feeding and watering appliances. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, and scrapers. Ventilate buildings, cars, boats, coops and other closed spaces. Do not house poultry, livestock or employ equipment until treatment has been absorbed, set or dried. All treated feed racks, mangers, troughs, automatic feeders, fountains and waterers must be thoroughly scrubbed with detergents and rinsed with potable water prior to reuse. Saturate surfaces with recommended solution.

POISON

DANGER: Avoid contact with eyes, nose, mouth, and skin. If contact occurs, flush thoroughly with water. If in eyes, flush for 15 minutes. If on skin, wash with soap and water. If on clothing, remove clothing and wash thoroughly. Wash thoroughly after handling.

FIRST AID: If in eyes, flush with water for 15 minutes. If on skin, wash with soap and water. If on clothing, remove clothing and wash thoroughly. Wash thoroughly after handling.

Do not use, pour, spill or store near heat or open flame. Do not reuse container. Wash thoroughly with water and detergent. Discard in safe place.

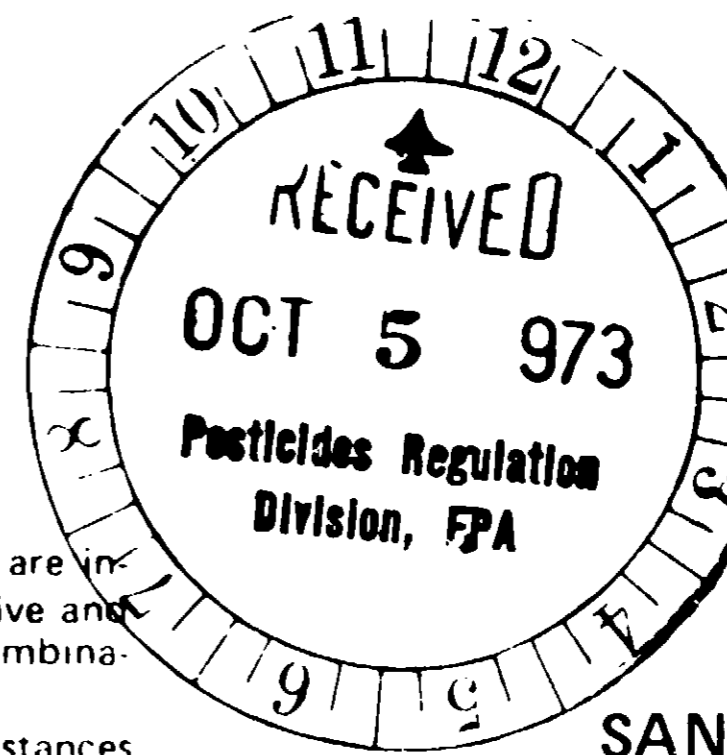
DO NOT REUSE CONTAINER. Wash thoroughly with water and detergent. Discard in safe place.

Do not use, pour, spill or store near heat or open flame.

Made in U.S.A.

E.P.A. Reg. No. 6035-33

R3 370280



SANI-S

SANI-SQUAD is an effective disinfectant and housing used for all types of housing. SANI-SQUAD will make 100 gallons of use on all walls, ceilings, floors, cracks, crevices, and dilated SANI-SQUAD. Spray until a

- Active Ingredients
- Thymol
 - Methyldodecylbenzyl Trimethyl Ammonium Chloride
 - Methyldodecyl cytlene bis (Trimethyl Ammonium Chloride)
 - Formaldehyde
 - Ethyl Alcohol
 - Methyl Alcohol
 - Isopropyl Alcohol
- Inert Ingredient

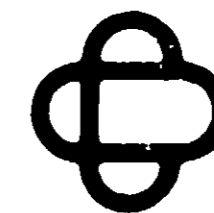
DANGER: KEEP OUT OF REACH OF CHILDREN



POISON

See Antidote Statement and Other Information on Label
Do Not Use This Product As A Water Softener

Net Contents : 1 Gallon



VINELAND LABORATORIES
A SUBSIDIARY OF DAVIDSON
VINELAND, NEW JERSEY 08360



SANI-SQUAD

Patent Pending

SANI-SQUAD is an effective disinfectant and deodorizer for equipment and housing used for all types of animals. One gallon of SANI-SQUAD will make 100 gallons of use-level disinfectant. Spray thoroughly all walls, ceilings, floors, cracks, crevices and animal equipment with the diluted SANI-SQUAD. Spray until all surfaces are thoroughly wet.

Active Ingredients

Thymol	2.64%
Methyldodecylbenzyl Trimethyl Ammonium Chloride	1.69%
Methyldodecyl xylene bis (Trimethyl Ammonium Chloride)	0.42%
Formaldehyde	26.60%
Ethyl Alcohol	25.25%
Methyl Alcohol	8.40%
Isopropyl Alcohol	3.28%
Inert Ingredient	31.72%
	<hr/>
	100.00%

DANGER: KEEP OUT OF REACH OF CHILDREN

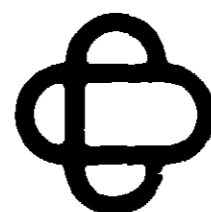


POISON



See Antidote Statement and Other Precautions on the Left Panel
Do Not Use This Product As A Water Sanitizer or Directly on Animals.

Net Contents : 1 GALLON (Liquid)



VINELAND LABORATORIES, INC.

A SUBSIDIARY OF DAMON

VINELAND, NEW JERSEY 08360

(1) GENERAL DISINFECTION

SANI-SQUAD should be used in all the following applications traversed by animals prior to application of the solution:

- Disinfecting hog houses, farrowing houses, feeders
- Spraying cattle pens, chutes, loading equipment, etc.
- Disinfecting barns, hospital pens, calf pens and equipment
- Disinfecting houses used for poultry, turkeys, ducks
- Disinfecting trucks, crates, scales and other equipment
- Disinfecting horse stables and sick pens at race tracks
- Disinfecting dog and cat kennels as well as laboratories
- Spraying animal manure pits for the control of odor

Use SANI-SQUAD dilution as recommended in the Directions.

(2) LITTER AND CONCRETE SANITATION

SANI-SQUAD produces a sizeable drop in bacterial counts and sanitization of concrete near or in animal quarters.

(3) VIRUSES

SANI-SQUAD at a 1:100 dilution will destroy Newcastle disease virus within 30 minutes when used as directed. To destroy influenza virus, infected material must be exposed to this dilution for extended contact.

SANI-SQUAD has been found to destroy fowl leukosis virus at a 1:100 dilution exposed for 20 minutes as well as the Guinean Rhinotracheitis virus (IBR) at a 1:100 dilution. SANI-SQUAD as directed in the environmental sanitation section.

(4) DRESSING PLANT USE

Use SANI-SQUAD at 1:100 dilution to sanitize equipment. Dressing plants must be thoroughly rinsed with potable water.

Use SANI-SQUAD at 1:50 dilution to sanitize offal.

(5) FARM HATCHING EGG TREATMENT

The contaminants on hatching egg shells have proven themselves resistant to egg dipping to sanitize the egg shell by immersing in a disinfectant solution. Leaving eggs to air dry before delivery to the hatchery is not recommended. Care must be taken to insure that the dip solution is thoroughly rinsed with clean water. Disinfectant into the eggs. Warm tap water (120° to 130° F) should be used for cleaning.

(6) FOR HATCHERY USE

SANI-SQUAD at a 1:300 or 1:200 dilution should be used for the disinfection of incubation and hatching of chicks, poults, geese, ducks, etc. During cleanups between hatches, incubators and hatcheries should be thoroughly cleaned. Foreign matter has been thoroughly removed from the equipment and al disinfecting procedures and greatly reduces the possibility of disease. SANI-SQUAD for use through the Vineland MISTER which disperses the disinfectant at wide open setting into hatcher units for periods of 30 minutes. Sani-squads on mental surfaces and will help to provide sanitary areas. SANI-SQUAD is especially adapted for use through the MISTER. SANI-SQUAD at a 1:128 dilution and SANI-SQUAD can be fed directly to the birds. In this fashion can produce an atmosphere in which the mortality after hatching from omphalitis occurs, use SANI-SQUAD. Then reduce the SANI-SQUAD concentration to 1:200. Check bacterial counts in both incubators and hatcheries. Consult your Veterinarian, Extension Man or County Agent for further information.

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTRATION

ACCEPTED

10-30-73

DIRECTIONS

(1) GENERAL DISINFECTION

SANI-SQUAD should be used in all the following applications after the REMOVAL OF ALL LITTER AND MANURE from surfaces and areas traversed by animals prior to application of the solution recommended.

- Disinfecting hog houses, farrowing houses, feeders and other equipment.
- Spraying cattle pens, chutes, loading equipment, trucks.
- Disinfecting barns, hospital pens, calf pens and equipment.
- Disinfecting houses used for poultry, turkeys, ducks and game birds and for equipment used in brooding, growing and laying quarters.
- Disinfecting trucks, crates, scales and other equipment used in the moving of chickens, turkeys, hogs, cattle, sheep and horses.
- Disinfecting horse stables and sick pens at race tracks or sale barns.
- Disinfecting dog and cat kennels as well as laboratory animal facilities, at veterinary hospitals, research laboratories and medical institutions.
- Spraying animal manure pits for the control of odor and ammonia.

Use SANI-SQUAD dilution as recommended in the Dilution Chart for purpose intended.

(2) LITTER AND CONCRETE SANITATION

SANI-SQUAD produces a sizeable drop in bacterial count when contaminated soil is exposed to a 1:50 dilution, and thus can be used in the sanitization of concrete near or in animal quarters prior to placement of litter.

(3) VIRUSES

SANI-SQUAD at a 1:100 dilution will destroy Newcastle disease, Bronchitis, Laryngotracheitis, Fowl Pox and Avian Encephalomyelitis viruses within 30 minutes when used as directed. To destroy the avian viruses named, SANI-SQUAD should be used at the 1:100 dilution or less. The virus infected material must be exposed to this dilution for a minimum of 30 minutes. Sufficient volumes of this dilution must be used to insure extended contact.

SANI-SQUAD has been found to destroy fowl leukosis virus (Marek's Disease) when tested at a dilution of 1:50 and exposed for 10 minutes and 1:100 exposed for 20 minutes as well as the Gumboro disease agent (IBA) at a dilution of 1:100 exposed for 30 minutes and infectious Rhinotracheitis virus (IBR) at a 1:100 dilution for 30 minutes in laboratory experiments. The significance of these results in the use of SANI-SQUAD as directed in the environmental sanitation program has not been established.

(4) DRESSING PLANT USE

Use SANI-SQUAD at 1:100 dilution to sanitize utensils, walls and floors in poultry and animal dressing plants. Equipment and utensils must be thoroughly rinsed with potable water before operations are resumed.
Use SANI-SQUAD at 1:50 dilution to sanitize offal rooms, exterior walls and loading platforms of dressing plants.

(5) FARM HATCHING EGG TREATMENT

The contaminants on hatching egg shells have proven to be a stubborn problem for both chick and poult producers. SANI-SQUAD can be used for egg dipping to sanitize the egg shell by immersing freshly laid hatching eggs in a 1:100 dilution of SANI-SQUAD for 1 minute and then allowing eggs to air dry before delivery to the hatchery in baskets, plastic or cardboard flats and egg cases which were fumigated or disinfected. Care must be taken to insure that the dip solution containing SANI-SQUAD is warmer than the hatching eggs to prevent the infusion of the disinfectant into the eggs. Warm tap water (120° to 130° F.) is ideal for making warm solutions of SANI-SQUAD for egg dipping, sanitizing or cleaning.

(6) FOR HATCHERY USE

SANI-SQUAD at a 1:300 or 1:200 dilution should be used in the hatchery for washing down trays, floors, racks, utensils and equipment for the incubation and hatching of chicks, poults, geese, ducks, pheasants and quail.

During cleanups between hatches, incubators and hatchers should be fogged down or sprayed with SANI-SQUAD at a 1:100 dilution after all foreign matter has been thoroughly removed from the equipment. Fogging before cleanup of equipment and after a cleanup is an adjunct to manual disinfecting procedures and greatly reduces the possibility of spread of diseases. SANI-SQUAD at 1:100 or 1:200 dilution is especially adapted for use through the Vineland MISTER which disperses the dilute product as a fine fog. During the hatching, SANI-SQUAD at 1:100 can be fogged at wide open setting into hatcher units for periods of 3 to 5 minutes. This is an adjunct to acceptable manual disinfecting procedures of environmental surfaces and will help to provide sanitary areas for the ready to hatch eggs.

SANI-SQUAD is especially adapted for use through the VI-LO-FLO Proportioner. Using SANI-SQUAD directly through the proportioner provides a 1:128 dilution and SANI-SQUAD can be fed directly into the incubator or hatcher humidity water lines. In the hatcher the use of SANI-SQUAD in this fashion can produce an atmosphere in which the concentration of organisms is reduced.

If mortality after hatching from omphalitis occurs, use SANI-SQUAD at 1:100 dilution for the succeeding hatches until the problem disappears, then reduce the SANI-SQUAD concentration to 1:200, then 1:300 to hold problem in check.

Check bacterial counts in both incubators and hatchers periodically both before and after disinfecting to determine effectiveness. Consult with your Veterinarian, Extension Man or County Agent to help set up your sanitation and disinfection programs.

QUAD
Pending

Disinfectant and deodorizer for equipment of animals. One gallon of SANI-SQUAD disinfectant. Spray thoroughly on surfaces and animal equipment with the surfaces are thoroughly wet.

.....	2.64%
.....	1.69%
.....	0.42%
.....	26.60%
.....	25.25%
.....	8.40%
.....	3.28%
.....	31.72%
.....	100.00%

ACCEPTED

10-30-73

UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTRATION

REACH OF CHILDREN



Precautions on the Left Panel Sanitizer or Directly on Animals.

ALLON (Liquid)

ORATORIES, INC.

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DESCRIPTION:

SANI-SQUAD™ is a major advance in disinfection and sanitization. A disinfectant that field and laboratory tests have proven destroys a wide range of viruses including those that cause Marek's and Gumboro Disease on inanimate environmental surfaces. Users of formaldehyde, quaternary or phenolics will find all three in SANI-SQUAD at desired levels. The combination is synergistic which means that when combined they are far more effective than each of the ingredients used alone.

Actual laboratory tests indicate that SANI-SQUAD at recommended dilutions destroys the causative agents in Marek's, A.E., Gumboro Disease, Fowl Pox, Laryngotracheitis, Newcastle and Bronchitis. It destroys *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis*. Houses and equipment should be sprayed until thoroughly wet at recommended dilutions. SANI-SQUAD is very active in the presence of organic matter and reduces soil bacteria counts 96.4% in one hour at 1:50 dilution.

GENERAL RECOMMENDATIONS:

The following dilutions are recommended: 1:50 for severely contaminated equipment and premises; 1:100 multi-purpose general disinfection; 1:200 for sanitizing equipment and cleaned areas; 1:300 for general cleaning of non-contaminated areas and for use prior to formaldehyde fumigation. SANI-SQUAD must be diluted with water.

RECOMMENDATIONS as a SANITIZER for the HATCHERY:

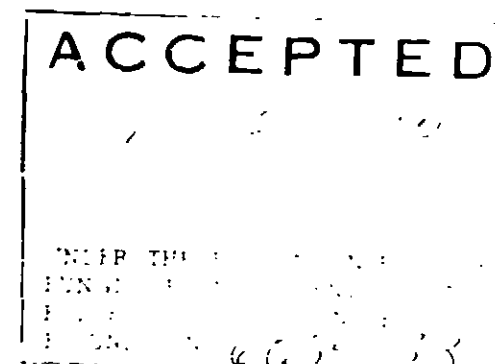
For Egg Dipping: SANI-SQUAD will kill shellborne bacteria and viruses with no ill effects on hatchability. Immediately following collection, hatching eggs should be immersed in a 1:100 warm solution of SANI-SQUAD for one minute, removed and permitted to dry. The temperature of the dip solution should be warmer than the temperature of the eggs.

For Hatchers: Fog the incubator or setter with a 1:128 dilution of SANI-SQUAD for one minute when eggs are transferred, and for one minute every 12 hours until batch is off.

For Incubators: For manual injection, the incubator or setter should be fogged with a 1:128 dilution of SANI-SQUAD for one minute each time eggs are transferred.

PACKAGING:

SANI-SQUAD is packed in 1 quart containers, 10 to the case, Product Code 7125; 1 gallon jugs, 4 to the case, Product Code 7126, 5 gallon plastic containers, Product Code 7127 and in 55 gallon drums, Product Code 7128.



 **VINELAND LABORATORIES, INC.**
A SUBSIDIARY OF DAMON