

AGRICULTURE AND HORTICULTURE INDUSTRY



DIN 02350009

Food and beverage industry accepted

PENQUAT FD is a quaternary ammonium disinfectant, developed for disinfecting agricultural premises such as hog barns, poultry houses, livestock transport, and farm equipment. **PENQUAT FD** provides a simple solution to farm disinfection.

PENQUAT FD is a safer alternative to phenolic, glutaraldehyde, and peroxide-containing products, and can be used against a variety of microorganisms that lower productivity, or increase mortality.

FEATURES and BENEFITS



- Contains 10.8% 5th generation quaternary ammonium compounds
- Effective in warm or cold water
- Effective in hard water
- Low reactivity with organic matter
- Safe for humans and animals at recommended dilutions

TESTED SUCCESSFULLY IN INDEPENDENT LABORATORY AGAINST:

- Escherichia coli O157:H7
- Salmonella enterica
- Newcastle Disease Virus
- Rotavirus
- Porcine Respiratory & Reproductive Syndrome Virus (PRRS)
- Staphylococcus aureus
- Avian Influenza H3N2 Virus
- Porcine Circovirus Type 2
- Transmissible Gastroenteritis Virus
- Pseudorabies Virus

DIRECTIONS FOR USE

DO NOT STORE IN FOOD PROCESSING OR FOOD STORAGE AREAS.

Equipment to be treated	Buildings, poultry crates, greenhouses, trucks and livestock trucks and farm equipment
Use procedure	<ol style="list-style-type: none"> 1. Remove all animals and feed. Then remove all dirt, manure, debris from floor or surface. 2. Wash with water to pre-clean. (High pressure water if possible) 3. Apply an alkaline cleaner such as ADHERE CPM. 4. Rinse with water. (High pressure water if possible) 5. Apply PENQUAT FD to the cleaned surface by spraying or fogging. 6. Ventilate buildings and other closed spaces. Do not house livestock until treatment has been absorbed, set or dried.
Concentration	0,7 to 1% (7 to 10 ml/litre or 35 to 50 ml/5 litres of water) Shock treatment: 2% (20 ml/litre of water)
Temperature	Between 5°C to 60°C (41°F to 140°F)
Contact time	10 minutes
Rinsing	All treated feed racks, mangers, troughs, automatic feeders, fountains and waterers must be thoroughly rinsed with potable (drinking) water prior to reuse.

PENQUAT FD

HIGH-EFFICIENCY DISINFECTANT

PHYSICAL PROPERTIES

Appearance	Clear colorless liquid
Odour	Detergent
Specific gravity @ 20°C	1.02
Viscosity	Low
pH	12
Flash point (TCC)	None
Phosphorus	None
Water solubility	Complete
Auto ignition temperature	None
Chlorine	None
Boiling point	Approx. 100°C
Freezing point	N/A
Foaming tendency	Moderate
Concentration monitoring techniques	Refractive index, titration
Rinsing	Excellent

INCOMPATIBILITY

Strong oxidizers

WAREHOUSING PRECAUTIONS

Keep from freezing

FIRST AID MEASURES

EYE CONTACT

Wash with plenty of water for 15 minutes. Consult physician if irritation develops or persists.

SKIN CONTACT

Wash with soap and water.

INHALATION

Not applicable

INGESTION

Do not induce vomiting. Drink plenty of water and contact physician.

HEALTH

2

FLAMMABILITY

0

REACTIVITY

0

LEGEND

0 = MINIMAL RISK
1 = SLIGHT RISK
2 = MODERATE RISK
3 = SERIOUS RISK
4 = SEVERE RISK

PERSONAL PROTECTION Security equipment



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IMPORTANT : Before using **PENQUAT FD**, always be sure to read and follow precautions and directions for use appearing on the product's container label, and on the safety data sheet (S.D.S).