



BS Quatril Extra

Neutral disinfectant based on cationic surfactants.

BS Quatril Extra is used in various industries: food processing and transportation, livestock storing and transportation facilities, food and feed storing places. Also, it is effective for disinfecting barrier. Disinfectant destroys viruses, bacteria, fungi, spores. It has a strong antiviral effect and it is recommended to use in the focus infection of African swine fever to disinfect veterinary care objects (except manure and soil). **BS Quatril Extra** completely inactivates the African swine fever virus and prevents the spread of infection.

BS Quatril Extra:

- concentrated disinfection detergent;
- effective in hard and soft water;
- effective in any temperature;
- destroys viruses, bacteria (gram-positive, gram-negative), fungi, spores;
- cost-effective, as can be used at small concentrations;
- cleaning / maintenance detergent for open surfaces in food, beverages and milk industry (floors, walls, tanks and other surfaces);
- suitable to use for meat, poultry, snacks, milk and beverages manufacturing operations;
- is used for livestock transportation facilities' maintenance;
- can be used under spray method;
- is foaming.

Content of product

Submitted in safety data sheet.

Instructions for use

BS Quatril Extra concentration is used 0,25 – 1 % (w/w), depends on the surface contamination level and used method; minimum product's using temperature: +5°C. Working solutions foam and their stability is not less than 24 hours.

| Area of use | Recommended concentration, % | Method of use | Exposure time, min |
|------------------------------------|------------------------------|---|--------------------|
| Livestock care and storage place | 0,25 – 0,5 | Surfaces cleaned and covered with detergent's solutions | 20 – 30 |
| Livestock transportation equipment | 0,5 – 1,0 | Surfaces cleaned and covered with detergent's solutions | 15 – 20 |
| Food and feed processing | 0,25 – 0,5 | Surfaces cleaned and covered with | 20 – 30 |



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|---|------------|--|---------|
| and storage places | | detergent's solutions. After exposure surfaces are rinsed with drinking water. | |
| Food transportation equipment | 0,25 – 0,5 | Surfaces cleaned and covered with detergent's solutions. After exposure surfaces are rinsed with drinking water. | 20 – 30 |
| Disinfection barriers | 1,0 | Disinfection barriers are filled with solutions. The solution is refilled 2 – 3 times a week. | 30 |
| Veterinary care objects in the focus infection of African swine fever | 1,0 | Spraying (wetting) with 1,0 % product solution, spray rate of 0,3 l/m ² . | 60 |

After the cleaning all surfaces which are in contact with food must be rinsed of with drinking water

Information for safe use

Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Corrosive to the respiratory tract. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wear respiratory protection. Store in a tightly closed original packaging in dry ventilated area. Do not store together with alkalis, acids, strong oxidizers, reducing agents. Do not damage packaging. Keep container in the temperature not lower than 0°C and not more than +25°C and away from heat, direct sunlight.

Physical and chemical properties

| | |
|--|------------------|
| Form | Liquid |
| Color | Clear, colorless |
| Odor | Specific |
| pH, 100 %, 20-25°C | 6,0 – 8,0 |
| The relative density, g/cm ³ , 20°C | 0,99 – 1,01 |

Best before

24 months after date of production.

Results of microbiological tests

In biological experiments with agricultural animals, **BS Quatril Extra** has been shown completely to disinfect the absorbing surfaces infected by African swine fever virus after onetime spraying with 1 % product solution: exposure temperature 10°C, exposure at 1 hour, solution rate 0,3 l/m² (ФАНО России, ГНУ ВНИИВВиМ Россельхозакадемик).

Minimum bactericidal concentration of **BS Quatril Extra** is against MBC E. coli - 0,0156 %; against MBC S.aureus- 0,0019 % (ФАНО России, ГНУ ВНИИВВиМ Россельхозакадемик).

Tests were carried out in accordance with EN 1650:2008+A1:2013 approach:



JSC „BS Chemical“
 Baltijos pr. 123-9, 93224 Klaipeda
 Lithuania, EU
 tel./fax.: +370 46 366279
 www.bs-chemical.com

- At 0,25% **BS Quatril Extra** working solution concentration at 20°C temperature and clean conditions, when the exposure time: 30 minutes, it is fungicidal active (*A.Brasiliensis*).
- At 1% **BS Quatril Extra** working solution concentration at 20°C temperature and dirty conditions, when the exposure time: 30 minutes, it is fungicidal active (*A.Brasiliensis*).