



# BS Quatril

## Cationic surfactants based detergent

### BS Quatril:

- concentrated cleaning/ maintenance detergent;
- effective in hard and soft water;
- long persistent bacteriostatic effect;
- for all surfaces;
- cleaning / maintenance detergent for exposed surfaces in food, beverages and milk industry (floors, walls, tanks and other surfaces);
- suitable for meat, poultry, snacks, milk and beverages manufacturing operations;
- can be used for irrigation purposes of disinfection foot mats;
- has an effect on many organisms;
- destroys many forms of vegetative microorganisms, including gram-positive and gram-negative bacteria and yeast.

### Content of product

Submitted in safety data sheet.

### Instructions for use

**BS Quatril** concentration 0,25 – 1 % (m/m), depends on the surface contamination level and the method used. Working solutions foam and their stability is not less than 24 hours.

Method of use	Recommended concentration, %	Time, min
Immersion	0,1 – 0,3	20 – 1 week
Spraying	0,1 – 0,3	15 – 30
Heavily contaminated surfaces	0,3 – 0,8	30 – 240
Irrigation of foot mats	0,8 – 1,0	-
Irrigation	0,1 – 0,3	20 – 60

Given values are valid when cleaning is performed at a room temperature. If cleaning is performed under irrigation method at a temperature below 10 °C, the performance time is longer (eg., the liquid is left on the surface over the night). After the cleaning all surfaces which are in contact with food must be rinsed with drinking water.

### Information for safe use

**BS Quatril** has irritating effect; concentrated detergent is skin irritating, hazardous to aquatic organisms, can cause long-term effects. Avoid releasing into environment. Wear protective gloves / protective clothing/ eye (face)

protection. After the contact with skin: Wash with plenty of soap and water. If skin irritation occurs contact the doctor. Do not mix with other chemicals. Store in a tightly closed original packaging r in dry ventilated areas. Do not store together with acids, strong oxidizers. Do not store at a temperature below 10 ° C and higher than + 30 °; keep away from heat.

**Physical and chemical properties**

Form	Liquid
Color	Clear
Odor	Specific
pH, 100 %, 20-25°C	> 9
The relative density, g/cm <sup>3</sup> , 20°C	0,99 - 1,01

**Best before**

2 years from date of production.

**Results of microbiological tests**

Tests were carried out in accordance with EN 1650:2008+A1:2013, EN 1276:2010 and EN 13727:2012 approaches.

At 20% **BS Quatril** working solution concentration at 20°C temperature and clean conditions, when the exposure time: 15 and 60 minutes, it is fungicidal active (*A.Brasiliensis*).

At 1% and 2 % **BS Quatril** working solution concentration at 20°C temperature and clean conditions, when the exposure time: 5 minutes, it is bactericidal active (*E.coli*, *S.aureus*).