

Starting point formulation – Sprayable bleach cleaner utilizing LAPONITE-7007

Sprayable bleach cleaner for disinfection, bleaching or mold cleaning. LAPONITE-7007 stabilizes the formulation and generates a vertical cling for improved cleaning performance.

Formulation

Position	Component	Chemical name	Supplier	Function	Dosage (%)
1	Demineralized water			Solvent	80.00
2	LAPONITE-7007	Synthetic (modified) phyllosilicate	BYK	Rheology additive	3.00
3	Sodium hypochlorite (12 %)		Multiple	Sanitizing agent	17.00
4	Sodium hydroxide		Multiple	pH adjustment	
Total					100.00

Instructions (manufacturing procedure)

- Add LAPONITE-7007 under stirring into water.
- Dispers the LAPONITE with 2.000 rpm for 30 min.
- Slowly add the sodium hypochlorite under stirring and continue stirring for 20 min.
- Adjust the pH-value to 13 by using sodium hydroxide.

Characteristic data

- Active bleach content: 2 %

LAPONITE-7007
tolerates higher
amounts of
electrolytes and
broader pH-ranges



Your local
contact

BYK-Chemie GmbH
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0

info@byk.com
www.byk.com

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