

Chlorine Bleach Mold & Mildew Remover

H-HS-0007D

Carbopol[®]* 676 polymer imparts vertical cling and increased contact time for the cleaner formulation. The product also provides improved usage and dosing in spray or brush application. These features increase the performance of the formulation and provide convenience to the consumer.

Chemical Name, Trade Name	Weight %	Function
1. Deionized Water	88.50	Diluent
2. Carbopol[®] 676 Polymer ⁽¹⁾	1.00	Rheology Modifier
3. Sodium Hydroxide (50%)	2.50	Neutralizer
4. Sodium Hypochlorite (12.5% AvCl ₂)	8.00	Bleach

Typical Product Properties:

Appearance: Opaque
 pH: 12.5 - 13.5
 Viscosity (mPa·s)**: 2,000 - 3,500
 Stability: Pass 4 weeks at 45°C
 Pass 1 freeze/thaw cycle

**Brookfield RVT @ 20 rpm, 25°C

Procedure:

- Using moderate agitation (800 rpm) provided by a variable speed mixer and an impeller suitable for general mixing and blending operations, disperse the **Carbopol[®] 676 polymer** into the deionized water. Mix the slurry for approximately 15 minutes or until the slurry is homogeneous.
- Continue mixing and add the sodium hydroxide until the desired pH is obtained (>12.5 for maximum stability).
- Reduce the agitation speed and add the sodium hypochlorite.
- Add fragrance, as desired.

Supplier References:

(1) Lubrizol Advanced Materials, Inc.
(Noveon[®]* Consumer Specialties)

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For more information visit www.lubrizol.com/household or contact your nearest Lubrizol Advanced Materials location.

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