

## Starting Formulation, CL – 9056

March 29<sup>th</sup>, 2020  
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### End-Use Homecare

Isopropanol based surface cleaner with slight viscosity

Surface cleaner based on isopropanol thickened with RHEOBYK-HV 80

### Formulation

Pos.	Component	Supplier	Function	Weight [g]
1	Demineralized water <sup>‡</sup>		Solvent	20.4
2	<b>RHEOBYK-HV 80 (30%)<sup>‡</sup></b>	BYK	Rheology additive	3.0
3	Hydrogen Peroxide (3%)	Various	Anti-microbial	4.0
4	Glycerine	Various	Co-solvent	1.0
5	Isopropanol (99%) <sup>‡</sup>	Various	Anti-microbial	71.4
6	Isopropylamine <sup>‡</sup>	Various	Neutralization additive	0.1
				100.0

### Instructions

- Combine water and RHEOBYK-HV 80 with a mixer at 1500-2000 rpm for 10 minutes
- Add hydrogen peroxide under stirring at 1000 rpm; continue stirring for 10 minutes
- Add glycerine under stirring at 1000 rpm; continue stirring for 10 minutes
- At this point the solution should be milky in appearance.
- Separately mix the isopropanol (IPA) and isopropylamine (MIPA) stirring at 1000 rpm for 10 minutes
- Add the IPA/MIPA mixture to the original solution under stirring at 1000 rpm for 10 minutes; the solution should become clear.

<sup>‡</sup> For a more viscous solution, the RHEOBYK-HV 80 concentration can be increased to 4.5%; the water and IPA concentrations would be decreased to 20.1% and 70.3% respectively. The amount of MIPA needed would be increased to 0.2%

## Characteristic Data/ Specification

Data	Unit	Value
Rheology additive content	%	0.9
Total solid content	%	1.6

## Further information / Application

The formulation is designed to be used as is.

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This issue replaces all previous versions.