

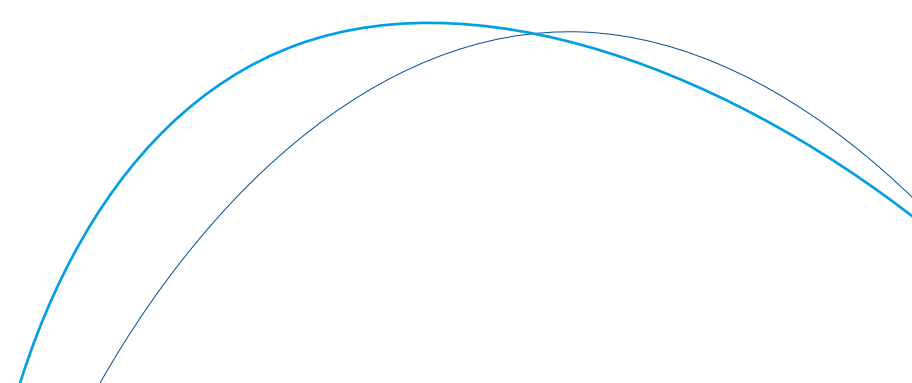
## Starting point formulation – Sprayable oven cleaner utilized LAPONITE-RD

### Formulation

Position	Component	Supplier	Function	Weight (g)
1	Demineralized water		Solvent	74.35
2	BYK-044 (100 %)	BYK	Defoamer	0.05
3	LAPONITE-RD	BYK	Rheology additive	2.00
4	Dowanol DPM Dipropylene glycol – methyl ether	Dow	Solvent	6.00
5	Dowanol TPM Tripropylene glycol – methyl ether	Dow	Solvent	6.00
6	Baypure CX 100 (34 %)	Lanxess	Complexing agent	6.00
7	Sodium bicarbonate	Tata Chemicals	Alkali	3.25
8	Sodium hydroxide 33 % in demineralized water	Various	Alkali	1.00
9	Phosfetal 201	Zschimmer & Schwarz	Anionic surfactant	0.25
10	Lumorol 4357	Zschimmer & Schwarz	Non-ionic Surfactant	1.00
11	Iragon brilliant blue HFC 1 % in demineralized water	BASF/BTC Europe	dye	0.10
<b>Total</b>				<b>100.00</b>

### Instructions

- Mix water with defoamer, add carefully LAPONITE-RD and stir for 20 min at 2,000–2,500 rpm until the dispersion is dissolved.
- Weigh solvents and add complexing agent and stir 5 min at 1,800–2,200 rpm.
- Add slowly sodium bicarbonate into the batch (with stirring) and stir 10 min at 2,700–2,900 rpm.
- Then add all ingredients separately in order listed and stir for 5 min at 1,400–1,600 rpm.



## Characteristic data /specification

Data	Unit	Value
pH value		9–11
Rheological modifier solids	%	2.00
Solids	%	9.00

### Further information /application

- The formulation is designed to be used as it is.
- Spray the oven cleaner undiluted on oven surface, then rinse with water after 5 min.

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This issue replaces all previous versions.

