



Glass/Multi-Purpose Cleaner  
(Typical Starting Point Formulation)

Component	#1 Percentage (%)	#2 Percentage (%)
DOWANOL PnB	3.0 - 4.5	
DOWANOL PM	4.0 - 6.0	
DOWANOL PnP		6.5 - 9.5
Monoethanolamine	0.35 - 0.45	0.35 - 0.45
Anionic Surfactant	0.5 - 0.7	0.5 - 0.7
Citric Acid	pH adj.	pH adj.
MgSO <sub>3</sub>	0 - 0.1	0 - 0.1
Perfume	approx. 0.1	approx. 0.1
Dye	as desired	as desired
Water	up to 100	up to 100

Note:

- 10.5 > pH < 11
- Anionic surfactant: DOWFAX\* 3B2 or any Linear Alkyl Benzene Sulfonate
  - C<sub>12</sub> - C<sub>14</sub> Alkyl Sulfate
  - C<sub>12</sub> - C<sub>14</sub> Alkyl Ethoxysulfate
  - Na Paraffin Sulfonate
- For stability: Cloud point > 45°C
- Hard water may require the use of low levels of chelating agents
- May be concentrated up to 6X