

ADW liquid detergent

Formulation No.: INHC-25-006

Description: Formulated with **Ethylan CPG 7545** for enhanced cleaning.

Dissolvine GL 47S helps in chelation of cations as well as aids in retaining shine of the glasswares.

Alcosperse 602N helps in the ARD, anti-encrustation and anti-scaling in the machine.

Formula:

Trade Name	Chemical Name	% w/w	Supplier
Deionized Water	Water (Aqua)	Ad 100	Local
Dissolvine GL47S	Chelant	15.00	Nouryon
Alcosperse 602N	ARD polymer	10.00	Nouryon
Ethylan CPG 7545	Alcohol Ethoxylate	20.00	Nouryon
KOH 90%	Strong Alkali	5.00	Local
Sodium silicate liquid	Builder/ alkali / corrosion inhibitor	15.00	Local
Sodium Cumene Sulphonate	Hydrotrope	10.00	Local
Dye/Perfume/Preservative	-----	Q.S.	Local
Total:		100.00	

Formulation Steps:

1. Charge DI water and add KOH into a suitable vessel with mixing capabilities. Mix till complete dissolution.
2. Add sodium silicate liquid and Dissolvine GL 47S stepwise, mixing until homogeneous before adding the next ingredient.
3. Add Alcosperse 602N and mix till homogeneous.
4. Add Ethylan CPG 7545 and mix till homogeneous.
5. Add Sodium Cumene Sulphonate and mix till clear.
6. Add dye, perfume and preservative and mix till homogeneous.
7. Store in clean containers free of contamination.

Use Instructions:

0.2-0.3% using the dosing pump and dilution with normal water in the machine.