

Bathroom Soap Scum Remover (Organic acid based)

Description:

Non-abrasive bathroom cleaner for non-porous surfaces including glass showers, ceramic tiles and sinks. The amine oxide, **Aromox® 14D-W970**, helps to boost foam and improve contact time to effectively dislodge soil from surfaces. And Citric Acid, **Berol® 611** and **Dissolvine® GL-47-S** helps to work on the soap scum and hard water stains.

Berol® 611 an environmentally responsible alternative to NPEO for more effective penetration and wetting performance to enhance cleaning performance.

Formula

Trade Name	Chemical Name	% w/w	Supplier
Deionized Water	Water (Aqua)	ad 100	Local
Berol® 611	Alcohol Ethoxylate	1.50	Nouryon
Aromox® 14D-W970	Tetradecyldimethyl Amine Oxide	3.00	Nouryon
Dowanol® PnB	Propylene Glycol Monobutyl Ether	1.00	Dow
Dissolvine® GL-47-S	Tetrasodium glutamate diacetate	1.00	Nouryon
Citric Acid	Citric Acid	2.50	Local
Fragrance, Preservative & Dye	-	q.s.	Local
Total:		100.00%	

Procedure:

1. Charge Deionized Water, Aromox 14D-W970 and Berol 611 into a suitable vessel with mixing capability. Mix till homogenous.
2. Add Dowanol PnB, Dissolvine GL-47-S and Citric acid stepwise with mixing until clear before addition of the next ingredient.
3. Add Fragrance, Preservative and other additives as required.
4. Store formulation in a spray bottle for use.

Properties:

Appearance:	Clear liquid
Brookfield Viscosity at 25°C, cps:	Water-like
pH:	2.0 –3.0

Application: Ready to use.
Rinse area with water after application.

The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made. In every case we urge and recommend that purchasers before using any product in full scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions. The results of toxicity testing of the polymers used in the formulations are found in the respective technical literature, the safety of the formulation has not been established by testing. The suitability of the final formulation should be confirmed in all respects by appropriate evaluation. No representative of ours has any authority to waive or change the foregoing provisions but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to their needs and to the circumstances prevailing in their business. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without the authority from the owner of this patent. We also expect purchasers to use our products in accordance with the guiding principles of the Chemical Manufacturers Association's Responsible Care® program.

