

hair care formulations

PUFF Volumizing Powder Styler with N-DurHance™ A-1000 conditioning polymer

Formula# 12464-178.3

Material# 876090

Ingredients (Trade Name)	INCI Name	% w/w	Supplier
Phase A			
Deionized Water	Aqua	53.75	Local
Sodium Chloride	Sodium Chloride	0.25	Local
Glycerin	Glycerin	20.00	Local
N-DurHance™ A-1000 conditioning polymer	Polyacrylamidopropyltrimonium Chloride	5.00	Ashland
Phase B			
Optiphen™ DP preservative	Propylene Carbonate (and) Benzoic Acid (and) Dehydroacetic Acid (and) Propanediol (and) PVP	1.00	Ashland
Phase C			
HDK® H18 Pyrogenic Silica*	Silica Dimethyl Silylate	20.00	Wacker
Total		100.00	

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Procedure

1. Add water to main vessel and begin medium speed propeller agitation using overhead mixer.
2. Disperse sodium chloride and mix until dissolved.
3. Add the rest of Phase A ingredients and mix until uniform.
4. Add Phase B ingredient and mix until uniform.
5. Stop batch and slowly add Silica. Then cover and begin high speed propeller agitation (800-1000 rpm).
6. Mix for about 1-2 hrs. or until a uniform mixture of dry powder is obtained. Stop and side scrape walls of vessel as necessary.

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