

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	

*Trademark owned by a third party.

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.