



Flow Show
Liquid laundry detergent

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Heavy duty liquid laundry detergent with rich rheology and nice flowing properties connected to cleaning performance.

Phase	Trade name / Supplier	Ingredient description	Wt%
A	ACUSOL™ 820 Rheology Modifier / Dow	Thickening agent - HASE polymer	1.5
	Water		3.0
B	Nansa HS80/s / Hunstman	Sodium alkylbenzene sulfonate (80%)	9.0
	Texapon N70 / BASF	Sodium laureth sulfate (70%)	11.8
	ECOSURF™ SA-7 Surfactant / Dow	Linear alcohol ethoxylate	10.0
	Propylene Glycol / Dow	Hydrotrope	1.6
	TERGITOL™ 15-S-9 Surfactant / Dow	Secondary alcohol ethoxylate	5.0
	Sodium diethylenetriamine pentamethylene phosphonate	Sequestrant	0.5
	Palmera B1220 / KLK Oleo	Palm kernel fatty acid	3.0
	DOWSIL™ AF-8017 Antifoam / Dow	Foam control agent	0.1
	ACUSOL™ 460N Polymer / Dow	Acrylic copolymer	1.0
	Eltesol SC40 / Hunstman	Sodium cumene sulfonate	3.0
C	Monoethanolamine / Dow	Neutralizer	0.5
D	D-Sorbitol	Enzyme stabilizer	0.5
	Medley Essential 100L / Novozymes	Enzymes	1.0
	Tornado Fresh / IFF	Fragrance	0.5
	Liquitint Violet 129 / Milliken & Company	Dye	0.03
	Benzisothiazolinone	Preservative	0.2
	Water		QS 100%

Disclaimer: Contained in this package is a sample prepared as per the formulation described on this card. Any variation in the formulation/procedure may cause performance to change.

Procedure:

1. Mix phase A ingredients until homogeneous.
2. Add ingredients of phase B one after the other. Each ingredient needs to be fully dispersed before addition of the next one.
3. Adjust pH to 8.5 with MEA (phase C).
4. Add ingredients of phase D and mix until homogeneous.

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