Sulfate-free **Jenfeld** Liquid Hand Soap

An ultra-mild, sulfate-free surfactant base that gently cleanses the hands without drying them out.

Liquid hand soap – sulfate-free surfactant system 25-005-02-04-C				
PHASE	TRADE NAME	INCI NAME	SUPPLIER	% W/W
A	Water	Aqua	-	61.14
A	Sodium Benzoate	Sodium Benzoate	Tilge Robert E.M.	0.50
A	Potassium Sorbate	Potassium Sorbate	Tilge Robert E.M	0.20
A	Plantacare® 818	Coco–Glucoside	BTC	3.30
A	Plantacare® 2000	Decyl Glucoside	BTC	8.80
A	Dehyton® PK 45	Cocamidopropyl Betaine	BTC	15.00
A	Hostapon® SCI 85P	Sodium Cocoyl Isethionate	Clariant Int.	5.00
A	Tego® Natural Betaine	Betaine	Evonik	2.00
A	Lamesoft® PO 65	Coco Glucoside, Glyceryl Oleate	BTC	1.00
B	Amylomer™ CAT 531 AS+	Starch Hydroxypropyl Trimonium Chloride	Gräfe Chemie	2.00
B	Amylomer™ HA-NI	Sodium Hydroxypropyl Oxidized Starch Succinate	Gräfe Chemie	1.00
C	Unicert Yellow 08005-J (sol 0.1%)	CI 19140	Sensient Cosm. Tech.	0.02
C	Unicert Blue 05601-J (sol 0.1%)	CI 42090	Sensient Cosm. Tech.	0.04
C	Citric Acid	Citric Acid	Carl Roth	q. s.
C	Sodium Chloride	Sodium Chloride	Carl Roth	q. s.

Processing

1. Use warm water of approx. 60 °C and dissolve ingredients of phase A in given order.
2. Add ingredients of phase B.
3. Adjust pH and viscosity with phase D if necessary.

- appearance: slightly hazy, light green viscous liquid
- pH–value: 5.2 – 5.4
- viscosity: ~6,000 mPa*s (Lamy RV, Spindel 4, 10 rpm, 21 °C)
- stability: proven (3 months at room temperature, 4 °C and 40 °C)
- microbiological challenge test: passed