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*Designed with
the thought
about you*

SULFOROKAnol L385/1T

TIPA LAURETH SULFATE (AND) PROPYLENE GLYCOL

Description

- effective emulsifier and cleaning agent in anhydrous, highly concentrated bath and shower preparations with a high oil content,
- clear formulations are obtained with polar vegetable oils, such as castor oil, regardless of the mixing ratio,
- less polar oils, e.g. olive oil or sunflower oil, as well as paraffin oil, require the addition of a coemulsifier to achieve clarity,
- foaming agent,
- compatible with anionic, non-ionic and amphoteric surfactants,
- component of liquid detergent concentrates intended for I&I and household.

Application

- shower oils,
- gentle foaming cleansers,
- cleansing emulsions,
- exfoliating cleansers.



in line with cosmetic trends



guarantee the consumer satisfaction



improvement of Personal Care formulations



innovative product



value for money

SULFOROKAnol L385/1T

TIPA LAURETH SULFATE (AND) PROPYLENE GLYCOL

| | | |
|-------------------------------|---|----------------|
| Chemical name | Alcohols C12-14, ethoxylated (3 EO), sulfated, triisopropanolamine salts and propylene glycol | |
| INCI name | TIPA Laureth Sulfate (and) Propylene Glycol | |
| CAS number | 107600-36-2, 57-55-6 | |
| Function | Emulsifier and cleaning agent | |
| Technical requirements | Appearance at temperature (20±25)°C | viscous liquid |
| | Active substance, %(mm) | 82 ÷ 92 |
| | pH of 2% solution | 6.0 ÷ 8.0 |
| | Iodine colour number, 50% (m/m) in propylene glycol solution at temperature (20±25)°C | max 4 |
| | 1,4-dioxane, ppm | max 25 |
| General data | Molecular weight, g/mol | approx. 597 |
| | 1,2-Propylene Glycol, % (m/m) | below 10 |
| | Viscosity at 25°C, cP | 3000 ÷ 8000 |
| | Density at 20°C, g/mL | approx. 1.06 |
| | Solidification point, °C | approx. -10 |

Shower oil

| Phase | INCI name | Brand name | Concentration [%] | Function |
|-------|---|---------------------------------|-------------------|-------------------|
| A | Helianthus Annuus Seed Oil | | 54.50 | emollient |
| A | Tocopheryl Acetate | | 1.00 | active |
| A | TIPA Laureth Sulfate, Propylene Glycol | SULFOROKANOL L385/1T | 20.00 | surfactant |
| B | Laureth-2 | ROKAnol Lk2 | 24.00 | surfactant |
| B | Parfume | | 0.50 | fragrance |

| | | |
|-----------------------|--|--------------------------------------|
| APPEARANCE | visual method | slightly yellowish viscous liquid |
| VISCOSITY [cP] | Brookfield LV, spindle: 34, speed: 2,5 RPM, T:25°C | < 100 |
| STABILITY | 1 month in 5°C, 20°C, 40°C, | confirmed |



1. In a main vessel combine ingredients from phase A. Mix until uniform.
2. Combine ingredients from phase B in a separate vessel and mix until uniform.
3. Add ingredients from phase B to phase A while mixing. Mix until uniform.



Face cleansing emulsion

| Phase | INCI name | Brand name | Concentration [%] | Function |
|-------|--|-----------------------------|-------------------|----------------------------|
| A | Aqua | | up to 100 | solvent |
| A | Betaine | | 1.00 | active |
| B | Sclerotium Gum, Xanthan Gum | | 0.45 | rheology modifier |
| B | Glycerin | | 2.00 | solvent |
| C | Cetearyl Alcohol | EXOalc 1618 flakes | 3.00 | emulsion stabilizer |
| C | Cetareth-25 | ROKAnol T25 | 2.00 | emulsion |
| C | PPG-15 Stearyl Ether | ROKAnol SP15L | 2.00 | emollient |
| C | Helianthus Annuus Seed Oil | | 10.00 | emollient |
| C | Stearic Acid | | 1.00 | rheology modifier |
| D | TIPA Laureth Sulfate, Propylene Glycol | SULFOROKAnol L385/1T | 4.00 | surfactant |
| D | Benzyl Alcohol, Ethylhexylglycerin, Tocopherol | | 0.60 | preservative |
| E | PPG-5-Ceteth-20 | ROKAnol LP6066 | 2.00 | emollient |
| F | Lactic Acid | | q.s. | pH adjuster |

APPEARANCE
pH

visual method

white emulsion
5.0 – 6.5

VISCOSITY [cP]

Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C

8000 – 15000

STABILITY

1 month at 5°C, RT, 40°C

confirmed



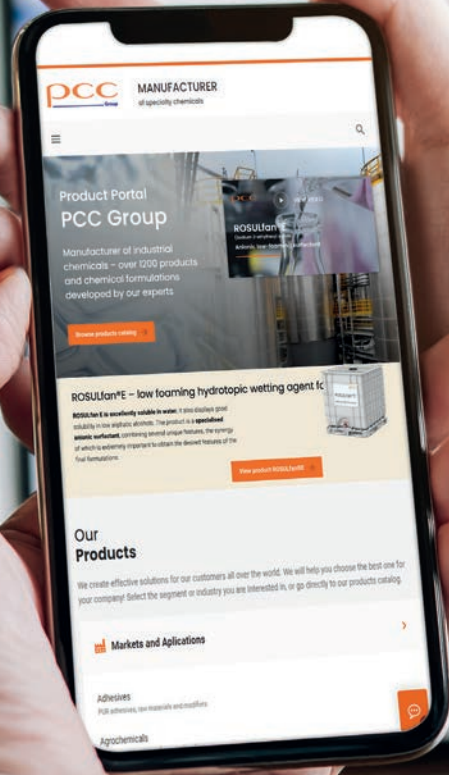
- In a main vessel combine ingredients from the phase A. Heat phase A to 75-80°C while mixing.
- Add Xanthan Gum to Glycerin - mix until homogenous solution is obtained.
- Add the phase B components to phase A while mixing. Mix until uniform.
- In a separate vessel combine ingredients from the phase C.
- Heat phase C to 75-80°C.
- Add C into A, stir well with hand stirring, keep A/B at 75-80°C. Homogenize with 2000-3000 RPM, 90 sec.
- Cool the batch down to 50°C while mixing. Add SULFOROKAnol L385/1T and preservative while mixing. Homogenize with 2500-3500 RPM, 90 sec.
- Cool the batch down to 25°C while mixing. Add ROKAnol LP6066 while mixing. Homogenize with 2500-3500 RPM, 30 sec.
- Control the pH range – if necessary, add Lactic Acid.







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