
MASSOCARE[®] TCK2



Product summary & Guidelines

MASSOCARE TCK2

□ Characteristics

Parameter	Value
INCI name	Acrylates Copolymer
Description	Acrylic copolymer in water
Appearance	Milky, white liquid
Ionic charater	Anionic
Solid content (%)	29.0 – 31.0
Viscosity	< 100 mPa·s
pH	1.5 – 3.5

- » Shelf life – 9 months
- » Preservative-free

MASSOCARE TCK2

□ Benefits

- » Easy handling
 - liquid
 - cold processable
 - fast neutralization
- » Clear formulations
- » Thickening
- » Suspending
- » pH flexibility
- » Synergistic thickening with salt
- » Non-sticky



MASSOCARE TCK2

□ Applications

- » Anti-dandruff shampoos
- » Bath and shower gels
- » Scrubbing toiletries
- » Facial cleansing gels
- » Hydro-alcoholic systems
- » SLES-free surfactant systems
- » Anti-bacterial cleansers
- » Pearlescent shampoos
- » ...



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□ Usage guidelines



- » Dosage :
 - Recommended min. at 5.0% (1.5% solids)
 - in surfactants systems with min. active matter of 15.0%
- » For clarity :
 - neutralization at pH > 6.0
- » For suspending :
 - neutralization at pH > 5.5 (at higher pH better performance)
- » For thickening :
 - neutralization at pH > 4.5 - 5.0
 - synergism effect with NaCl (0.3 – 0.5%)

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□ Guidelines :

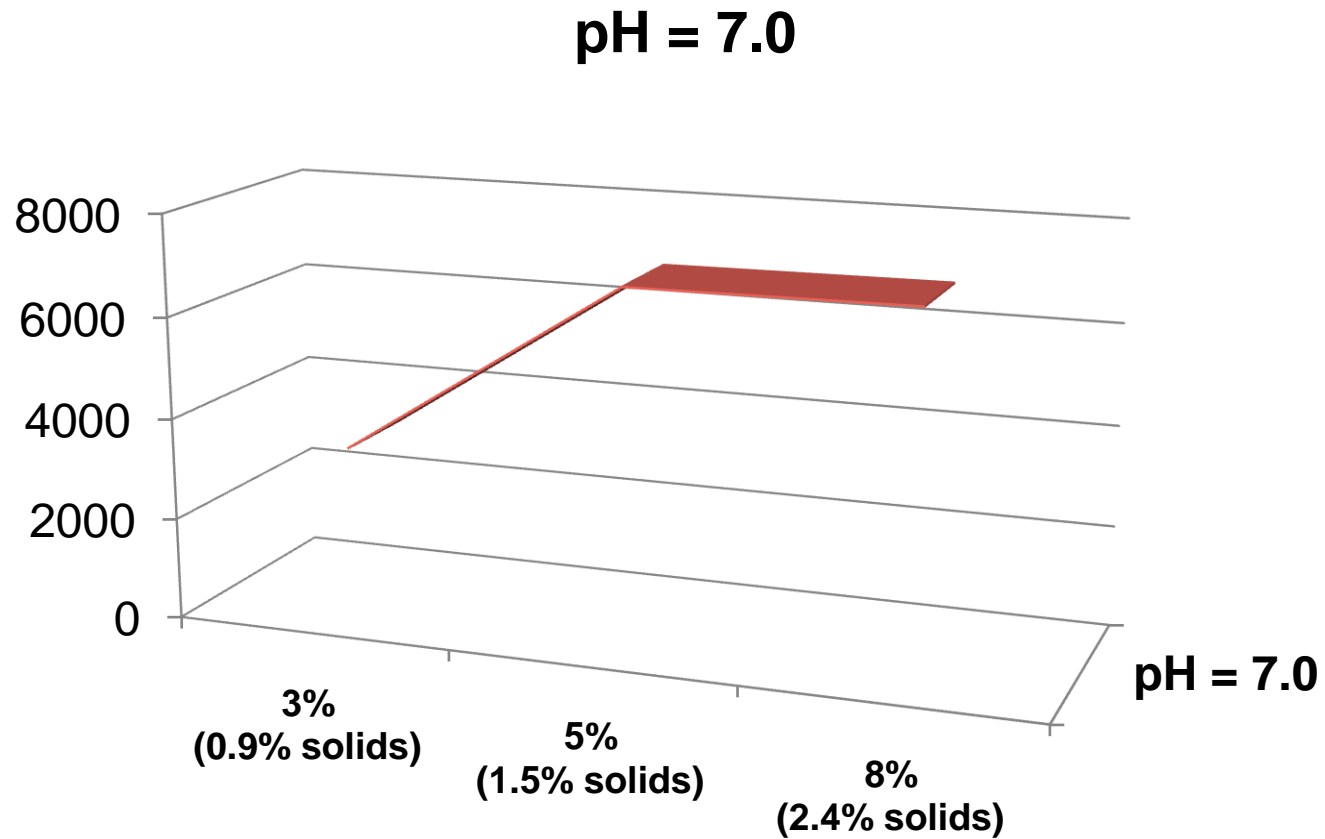
1. Mix well in the water phase before adding any ingredient
2. Add first primary surfactants (anionic)
3. Neutralize M-TCK2
4. Add rest of surfactants (amphoterics, ...)
5. Add rest of ingredients (conditioners, ...)
6. Adjust final pH

□ Neutralizers : NaOH or TEA



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□ Viscosity data (in water)



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❑ Compatibility

» Surfactants

- anionics, amphoteric and non-ionic : good
- cationics : not good

» Cationic polymers

- compatible with most cationic conditioners used in haircare (PQ-7, PQ-11, PQ-22, ...)

» Solvents – good

- alcohol (up to 50%), ...

» NaCl – good

» Zinc Pyrithione - good



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❑ Toxicology

- » Low content of residual acrylate monomer
- » Non-irritant
- » Non-sensitizing
- » Non-mutagenic



❑ Safety

- » Safe product
 - Final report on the Safety Assessment (CIR 2002)
- » SVHC - none

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□ Regulatory status

- » EINECS - Europe
- » TSCA - United States
- » DSL - Canada
- » ECL - Korea
- » AICS - Australia
- » IECS - China