



Flexicare™ PQ-1230

Polyquaternium 37

Overview

- 30% active Polyquaternium 37
- Effective conditioning without build-up
- Salon-Quality flexible hold styling agent
- Low build-up with soft feel
- Easy washout
- Compatible with nonionic, amphoteric and anionic surfactants
- Low tack film forming agent
- Imparts body, volume with softness
- INCI Name: Polyquaternium 37

Applications

- Conditioners
- Relaxers
- Conditioning shampoos
- Skin lotions
- Mousses and Sprays
- Hair fixing
- Hair spray
- Pump and aerosol products

Technical Information

Flexicare PQ-1230 is a solution of Poly (methacryloxyethyl trimethyl ammonium) chloride in water. Flexicare PQ-1230 is a highly substantive, film forming Poly Quaternary that provides effective conditioning and body without build-up.

Use in conditioners and relaxers, conditioning and volumizing shampoos, skin lotions, styling gels, mousses and sprays. Flexicare PQ-1230 is salt free.

Formulary

Flexicare PQ-1230 reflects a unique high molecular weight cationic homopolymer that provides effective conditioning and flexible hold at low use concentrations. Flexicare PQ-1230 imparts non-greasy detangling, improves dry comb and fly away while building volume and sheen, especially with colored, permed, sun dried and damaged hair.

With a greater cationic charge density than found in traditional Hair/Skin Care quaternaries, PQ-1230 is also effective as a cationic emulsifier, and as an anti-static and softening agent in crèmes, lotions and in other personal care products.

Typical Properties

PROPERTY	VALUE
Appearance	Clear to hazy, colorless to light amber, viscous liquid
Odor	Mild
Ionic character	Cationic
Water solubility	Soluble
Active content, %	24-26
pH	3.0 to 5.0
Density@25°C	1.06±0.04 g/ml
Viscosity @25°C	3000-6000cps
Boiling Point	Approx. 100°C
Flash point	Does not ignite below 100°C
Storage	Stable to freezing.
Shelf life	12 months

Packaging and Handling

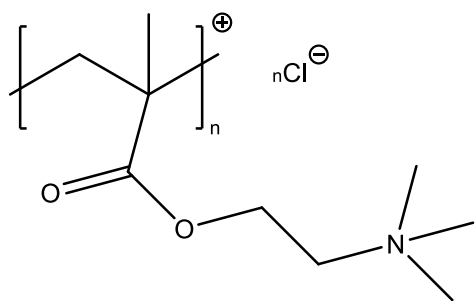
Flexicare PQ-1230 is available in:
275 gallon totes (Net Wt. 2250 lbs)
55 gallon plastic drums (Net Wt. 450 lbs)
5 gallon pails (Net Wt. 40 lbs)

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product

DOT Classification: Non-Regulated

Whether you're looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

Please refer to back page for important information



Flexicare PQ-1230: Effective conditioning without buildup

Flexicare PQ-1230 imparts superior conditioning properties in 2 in 1 Conditioning Shampoo formulations, contributing excellent wet and dry comb performance, as an alternative to heavy polymeric conditioning agents that can result in build-up. Starting formulation illustrated below:

2 in 1 Shampoo + Conditioner	
Ingredient	Wt. %
Water	to 100
Ammonium laureth-2 sulfate (28%)	10.0
Ammonium lauryl sulfate	2.5
Glycol stearate	2.0
Flexicare PQ-1230	1.0
PEG-4 Rapeseedamide	1.0
Glycereth-2 cocoate	0.5
Benzoic acid	0.4
Citric acid	to pH 5.5-6
Sodium chloride	q.s.
Fragrance/Extracts	q.s.
Charge ingredients into water with agitation in order listed. Adjust pH to 5.5-6. Add fragrance/Oils such as Aloe Vera, Panthenol and Jojoba. Adjust viscosity with sodium chloride.	

Flexicare PQ-1230 imparts soft, flexible hold in styling gels, mousses and sprays. Combine with mild foaming surfactants and penetrating conditioning agents for a product that protects hair from the damaging effects of blow-drying and styling treatments, as illustrated below:

Flexible Hold Styling Mousse	
Ingredient	Wt. %
Water	to 100
Flexicare PQ-1230	2.0
Oleyl betaine	1.5
Cetrimonium chloride	1.0
Fragrance/Preservative	q.s.
Charge ingredients into water with agitation in order listed. Adjust pH to 5.5-6. Add fragrance/oils such as Aloe Vera, Panthenol and Jojoba.	

INCI Name: Polyquaternium 37

This information relates only to the specific material referred to herein and not to its use in combination with any other material or in any process, unless explicitly stated herein. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled; however, no warranty, guarantee or other representation is made as to its accuracy, reliability, or completeness, or regarding any liabilities arising from others' intellectual property rights. ID# 20180613