



TOXICOLOGY/REGULATORY SERVICES, INC.

## CONFIDENTIAL

### Interpolymer Cosmetic Ingredient Safety Dossier

<b>Product Identification:</b>	Syntran <sup>®</sup> PC 5400
INCI Designation:	Ammonium Acrylates Copolymer
CAS Number:	63744-68-3
Physical Description:	Colorless, clear to slightly translucent liquid with a slight acrylic odor

<b>Typical Composition:</b>	
Water:	65 – 66%
Ammonium Acrylate Copolymer:	30%
1,2-Propanediol:	2 – 3%
Sodium Alkylpolyethoxyethanol Sulfosuccinate:	1%
Sodium Lauryl Sulfate:	1%
Bacterial Preservative:	0.20% methylparaben; 0.15% propylparaben
Residual Monomer:	< 5 ppm
Molecular Weight:	n > 50

#### General Toxicity:

##### Acute Toxicity Profile:

Because the large molecular size of this polymer limits its bioavailability and none of the components are considered to be acutely hazardous, little or no systemic toxicity would be expected by the oral, dermal and inhalation routes of exposure.

Instillation of a mixture containing 30% ammonium acrylates copolymer into the eyes of rabbits produced only slight conjunctival redness and slight ocular discharge in one animal at one hour post instillation. Ammonium acrylates copolymer was considered practically non-irritating to rabbit eyes (CIR, 1999).

Very slight, but reversible, irritation in the form of erythema was observed in one animal in the primary skin irritation test in rabbits, in which a mixture containing 30% ammonium acrylates copolymer was applied to the skin of rabbits for a four-hour period under a semi-occlusive patch. Edema was not observed at any of the test sites; therefore, ammonium acrylates copolymer was classified as practically non-irritating to the skin of rabbits (CIR, 1999).

Since almost no evidence of irritation was observed in the primary skin irritation test, the sensitization potential of ammonium acrylates copolymer is unlikely.

