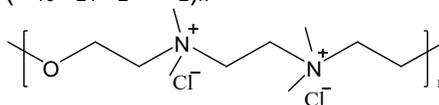




Product Name	PAPQ-42
INCI Name	Polyquaternium-42
INN Name	Polixetonium Chloride
Synonyms	Poly(oxyethylene (dimethyliminio)ethylene-(dimethyliminio) ethylene dichloride)
Molecular Formula	$(C_{10}H_{24}N_2OCl_2)_n$
Chemical Structure	
CAS Number	31512-74-0 / 31075-24-8
Description	PAPQ-42 is the purified aqueous solution of polyquaternium-42. As a polycationic polymer, PAQ-42 can be used for: <ul style="list-style-type: none">• Antimicrobial• Preservative• Water treatment• Flocculant• Antistatic
Typical Properties	Appearance.....clear, yellowish liquid Odor.....mild characteristic Assay..... 30 to 40% Molecular weight.....2 to 10 K pH.....4.0 to 8.0 Viscosity.....8 to 20 cps
Toxicity	PAPQ-42 is slightly toxic orally (LD50 > 1850 mg/kg in rats). The product is not a skin sensitizer and is non-mutagenic.
Storage & Handling	Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling PAPQ-42. Avoid prolonged storage above 90 °F (32 °C).
More Safety information	A Material Safety Data Sheet is available upon request.

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