



American International Chemical, Inc.

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SPECIFICATION SHEET

SODIUM HYALURONATE (Macronan-P)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Written	Rev. No.	Approved
SHYKKP	2330	9067-32-7	May 25, 2005	HHK	HHK	No. 2	TJK

CHARACTERISTICS:	White powder produced by bacterial fermentation of Streptococcus zooepidemicus, non-hemolytic bacterial strain. It is a biopolymer that consists of N-acetyl-D-glucosamine and glucuronic acid.
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SPECIFICATIONS:	Clarity (1% solution, 600 nm, 1 cm)	0.01% max
	Sodium hyaluronate (HPLC)	95-105%
	Protein	0.3% max
	pH (0.5% solution)	5.0-8.0
	Molecular weight	1.2 Mda min
	Intrinsic viscosity	20 dL/g min
	Viscosity, Brookfield DVII+, SP 4; 12 RPM; 1% solution @ 25° C	10,000 cps min
	Heavy metals	20 ppm max
	Arsenic	2 ppm max
	Hemolysis	None
	Loss on drying	10% max
	Total microbial count	100 cfu/g max

STOCKING POINTS:	Carson, CA; Dallas, TX
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PACKAGING:	PE lined 10 kg open head drum, 1 kg box
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APPLICATIONS:	Sodium Hyaluronate is a mucopolysaccharide found naturally in the human body, including the skin. It is found in synovial fluid lubricating human joints where it acts as a lubricant and shock absorber, and is a primary component of cartilage. It is used as active cosmetic ingredient for skin care in facial creams & lotions, eye contour creams and gels, liposome gels, & body lotions for its moisturizing & lubricating properties, as well as viscoelasticity. Claims have been made for skin healing & regenerative properties of the human skin.
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OTHER:	Storage: Store at -20 to 6° C out of light source; product should remain stable for approximately 36 months. At higher temperatures product should retain stable for approximately 4 months. Sodium Hyaluronate is guaranteed to meet our minimum spec on the viscosity after one year, if kept unopened in its original container.
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