JIYUAN QINGYUAN WATER TREATMENT CO., LTD

ADD: ZHICHENG TOWN, JIYUAN CITY, HENAN PROVINCE, CHINA

Tel: +86-391-608 2211 Fax: +86-391-608 6299

Product Information:

Chemical Name	Homopolymer of Maleic Acid or Hydrolyzed Polymaleic Anhydride
Abbreviation	HPMA
CAS Number	26099-09-2
Application Notes	HPMA has obvious threshold effect under high temperature (350°C) and high pH（8.3）level, suitable to be used in alkaline water system or built with agents. It has good scale inhibition against carbonate and phosphate scales under temperature 300°C with effective time as long as 100 hours. Due to its good scale inhibition and high temperature tolerance properties.
Recommended Uses	HPMA is widely used in desalination plant of flash vaporization equipment, low pressure boiler, steam locomotive, crude oil evaporation, petroleum pipeline, and industrial circulating cool water systems. In addition, HPMA has good corrosion inhibition effect when used together with zinc salt. It can be used in combination with phosphonates to improve performance and reduce phosphonate levels and thus provide a superior alternative to acrylate-based polymers.

Product Specification:

Items	Index
Appearance	Brown liquid
Solid Content (%)	50.0 min
Br value, mg/g	80 max
pH(1% solution)	2.0 - 3.0
Density at 20°C, g/cm^3	1.22-1.25
Viscosity, mm^2/s	6.0 min

Package and Storage:

Normally in 200L HDPE drum and 1000L IBC.

Storage for 12 months in room shady and dry place.

Safety Protection:

Acidity, avoid contact with eye and skin, once contacted, flush with plenty water.