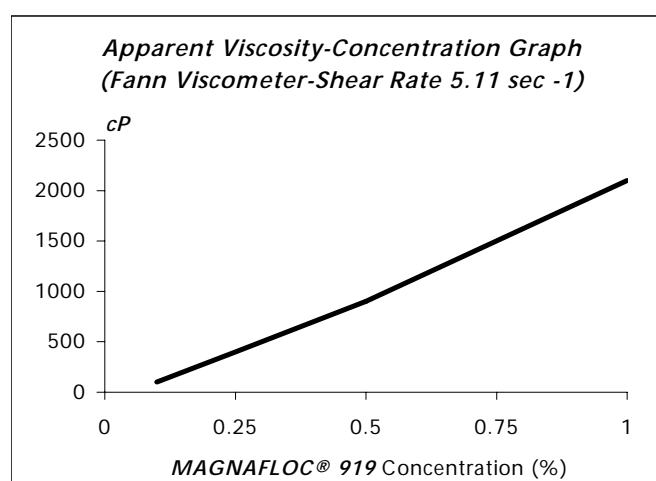




Ciba[®] MAGNAFLOC[®] 919

Anionic flocculant

Description	MAGNAFLOC[®] 919 is an ultra high molecular weight anionic polyacrylamide flocculant supplied as a free flowing granular powder.	
Principal Uses	MAGNAFLOC[®] 919 has found application in a wide variety of mineral processing operations including the following: <ol style="list-style-type: none"> 1. Coal tailings clarification. 2. Copper tailings clarification. 3. Iron ore tailings clarification. 4. Gold cyanidation, C.C.D. washing. 5. Centrifugation of many mineral slurries including clays etc. <p>Dosage depends on application but normally lies in the range 2g to 200g per tonne of dry substrate flocculated.</p>	
Typical Properties	Physical Form	Off-white granular powder
	Particle Size	98% < 1000 μm
	Bulk Density	0.75g/cm ³
	PH of 1% solution at 25°C	7.0
	Viscosity at 25°C	See graph and table



Application & Storage Recommended solution concentrations:

Stock solution	0.25 - 0.5% max
Feed solution	0.025 - 0.1% max

Recommended storage periods:

Shelf Life

2 years from receipt of goods

Stock solution 1-2 days

Storage of polymer should be in a cool, dry place.

Details on preparation and feeding can be obtained from a Ciba Specialty Chemicals Representative

<i>Solution viscosity data</i> (Fann viscometer – 25°C - solvent - deionised water)						
<i>MAGNAFLOC® 919</i> concentration (%)	<i>Shear rate (sec⁻¹)</i>					
	5.11	10.22	170	340	511	1022
	<i>Viscosity (cP)</i>					
1.0	2100	1250	204	146	128	99
0.5	900	630	75	65	60	45
0.25	400	300	42	38	32	24
0.10	100	75	18	15	12	9

Shipping and Handling *MAGNAFLOC® 919* is supplied in 25kg nett plastic bags shrinkwrapped onto a pallet suitable for export shipment. The product can also be supplied via intermediate big bags or bulk tanker. Specific details of bag and tanker sizes can be obtained on request.

Corrosivity towards most standard materials of construction is low, but aluminium and galvanised equipment should be avoided.

Technical Service

Advice and assistance in the running of laboratory and plant tests to select the correct flocculant and determine the best application is given by representatives of Ciba Specialty Chemicals, who are experienced in mineral processing applications.

Health and Safety

MAGNAFLOC® 919 exhibits a very low order of oral toxicity and does not present any abnormal problems in its handling or general use.

Detailed information on handling and any precautions to be observed in the use of the product(s) described in this leaflet can be found in our relevant Health and Safety information sheet.

Important

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