

## PAPER CHEMICALS KOREA

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*Technical Information*

# MSQ

## DRY STRENGTH AGENT & CATIONIC STARCH RETENTION AID

### The expected benefits of MSQ are as follows.

- (1) Wide pH application range from 4 to 8
- (2) In case of recycled pulp, OCC, it improves burst strength, compression strength, and breaking length.
- (3) Retention of the fiber fines, fillers and **cationic starch**.
- (4) Low starch consumption or low COD of the backwater
- (5) Faster drainage rate

### Characteristics

Chemical Description	Modified Polyacrylamide in Aqueous Solution
Appearance	Clear liquid
Specific Gravity	1.01 ± 0.03 (at 25°C)
pH Value	4.0 ± 1.0 (at 25°C)
Solid	10.0 ± 1.0% (at 105°C, 2 hrs)
Viscosity	Under 4,000 cPs (at 25°C, Brookfield 60 rpm)
Ionic Charge	Amphoteric
Shelf Life for Storage	12 months (Original sealed packaging & at room temperature)

### Applications

It is recommended that **MSQ** dosage is about 0.2 ~ 5.0% on dry stock, and its dosing point can be machine chest, fan pump or screen. It is needed to dilute less than 1% with water and dose via in-line mixer.

### Safety

**MSQ** does not exert any harmful effects on the health when it is used properly. The attention for handling and the precautions in details are given in MSDS.