

MSD

SURFACE SIZING & STRENGTH AGENT

The expected benefits of MSD are as follows.

- (1) High surface sizing degree and reduce internal sizing agent as minimal as possible
- (2) Improves paper surface properties ; wax pick, smoothness, porosity, roughness
- (3) Excellent Ink-jet printability
- (4) **MSD** can be helpful for saving other additives such as **Optical Brightening Agent, PVA**, etc.

Characteristics

Chemical Description	Modified acrylic copolymer in aqueous solution
Appearance	Light brown liquid
Specific Gravity	1.05 ± 0.05 (at 25 °C)
pH Value	4.0 ± 1.0 (at 25 °C)
Viscosity	Under 1,000 cPs (at 25 °C, Brookfield 60 rpm)
Solid	35.0 ± 2.0% (at 105 °C, 2hrs)
Shelf Life for Storage	12 months (Original sealed packaging & at room temperature)

Applications

MSD can be applied in all conventional size-press or film press. In combination with starch, **MSD** should be added after preparation of starch. Dosage of **MSD** depends on the purpose of the usage,

* **MSD** is a polymeric sizing agent (dispersion type). It is recommended to calender which provides heat and pressure after size press for better sizing degree.

Safety

MSD 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.