

# CAB-O-SIL® M-5P FUMED SILICA

### Product highlights

CAB-O-SIL M-5P fumed silica is an excipient of extremely high purity that is suitable for use as a multi-functional additive in the pharmaceutical industry. CAB-O-SIL M-5P fumed silica is compatible with many pharmaceutical ingredients and can act as a flow aid to reduce common issues in tablet and capsule production including poor flow through the hopper, active/inactive ingredient segregation, and tablet breakage during compaction.



Information on regulatory compliance may be found in the Pharma Grade Statement: [CAB-O-SIL® M-5P & M-5DP Fumed Silica for Pharmaceutical Applications](#), available on [cabotcorp.com](#).

### Performance features

#### Flow aid

CAB-O-SIL M-5P fumed silica's glidant and anti-static properties can reduce the friction and static charges in high speed tablet and capsule machines. The addition of CAB-O-SIL M-5P fumed silica can enable better spacing between the powder particles, reduce moisture bridging and reduce static charge, helping to improve flow and prevent bridging in the hopper.

#### Die filling aid

CAB-O-SIL M-5P fumed silica can improve the flow properties of the mixture and aid particle rearrangement within the die during the early stages of die filling and compression, promoting uniform tablet weight and active ingredient content.

#### Compaction aid

CAB-O-SIL M-5P fumed silica can also increase tablet hardness/strength by facilitating particle flow and rearrangement during the early stages of the compression process, which can increase the bonding strength between powder particles. This can help prevent subsequent tablet defects like chipping, capping, lamination and breaking.

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## Product form and logistics

- ◆ Product form: powder
- ◆ Regional availability: global
- ◆ Bag packaging: 10 kg bags

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at [cabotcorp.com](http://cabotcorp.com).

The CAB-O-SIL name is a registered trademark of Cabot Corporation.

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