



## OPERATING MANUAL

### Sieving Aid SSA-58

#### WARNING!

Gilson's SSA-58 Sieving Aid is packaged from Grace Davison Siloid Silica #224. Please refer to the attached Material Safety Data Sheet (MSDS) safety information for this product.

#### OPERATING INSTRUCTIONS:

SSA-58 Sieving Aid is finely-powdered (3–5 $\mu$ m) synthetic amorphous silica or silica gel. It contains no crystalline silica. This material absorbs water. SSA-58 is supplied in 1L containers, each tightly sealed to preserve freshness. **DO NOT** open a new container until the previous one has been depleted.

Due to the extremely small particle sizes and very low bulk density, the Sieving Aid material must be handled carefully in an area without air movement to avoid creation of airborne dust.

#### WARNING!

Refer to the MSDS for other precautions in use and handling.

Sieving Aid is useful for samples prone to agglomeration, normally in the fine range of No.50 (300 $\mu$ m) and smaller, but sometimes as coarse as No.8 (2.36mm) or No.10 (2.00mm). Addition of Sieving Aid to samples will not affect sieving results. Samples to be sieved should be mixed with Sieving Aid prior to sieving.

Experience will dictate optimum quantity to use, but 1%–2% by weight is often adequate. If samples are prone to electrostatic buildup with agitation, take care to gently and thoroughly mix the Sieving Aid before attempting to sieve the material. It will be important to coat the sample particles as completely as possible to prevent agglomeration of particles once sieving is begun.



SSA-58

Selection of sieving equipment is important when working with problem materials. Gilson's GilSonic AutoSiever and GilSonic UltraSiever both utilize gentle sonic action. These machines also have program controls to permit the gentle buildup of sieving intensity, allowing separation of static-prone materials before agglomeration can take place. Most normal sieving devices with severe agitation and simple ON/OFF switches should be avoided.

Contact Gilson Company, Inc. Technical Support with questions at 800.444.1508 or e-mail us at [techsupport@gilsonco.com](mailto:techsupport@gilsonco.com).

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