CLEAR THE AIR
WITH DUSTLESS TECHNOLOGY

Sand Guard™ is a revolutionary dust-inhibitor engineered to significantly reduce dusting during transfer to silos, flat storage, or on your well site. We developed SandGuard in partnership with an industry-leading chemical company utilizing their proven sand coating technology. The result is an enhanced version of our Northern White silica sand with less degradation than untreated proppants. Less degradation means less dust, even after repeated particle-to-particle contact during the multiple mechanical or pneumatic transfers over the material’s Lifecycle. To serve the industry, Superior Silica Sand can treat any proppant including 16/30, 20/40, 30/50, 40/70, and 100 mesh at production rates in excess of 600 tons per hour.

Our advanced coated technology evenly applies a minimal amount of chemical to each grain of sand, ensuring that SandGuard’s handling is identical to traditional uncoated frac sand. SandGuard looks and flows like uncoated raw frac sand with no changes to the angle of repose, handling or particle size. This means that no material handling or storage configuration will need to be changed to allow for the use of SandGuard. The operator will see no difference with SandGuard compared to raw sand with the exception that there will be no dust.

SandGuard is the only dust-inhibitor that protects workers during the entire process of getting frac sand from the mine to down the hole. At each location where sand is transferred, dust is emitted on raw sand. SandGuard not only prevents generation of additional dust during transport and transfers, but also traps any dust at the mine site. Other solutions such as the Box type system or Silo system only contain the dust. Therefore, when loading and off-loading boxes and transferring points both at the transload and well site, significant silica dust can be made airborne and expose employees to respirable crystalline silica dust.
Superior Silica Sands produces silica sand that is a key input for the hydraulic fracturing of oil and gas wells. The company is headquartered in Fort Worth, Texas, with sand facilities located in New Auburn, Wisconsin; Barron County, Wisconsin; Kosse, Texas; San Antonio, Texas; and coming soon in Kingfisher, Oklahoma.