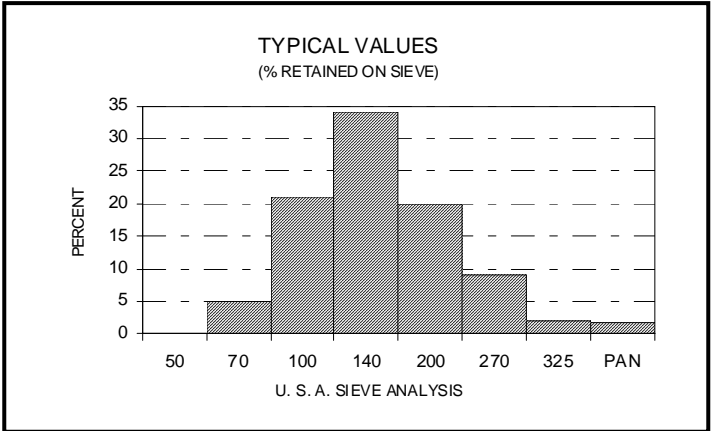




PRODUCT DATA

MICROSIL® CGS GROUND SILICA

PLANT: BERKELEY SPRINGS, WEST VIRGINIA



| USA STD SIEVE SIZE | | TYPICAL VALUES | | |
|--------------------|-------------|----------------|------------|------------|
| | | % RETAINED | | % PASSING |
| MESH | MILLIMETERS | INDIVIDUAL | CUMULATIVE | CUMULATIVE |
| 40 | 0.425 | 0 | 0 | 100 |
| 50 | 0.300 | 0 | 0 | 100 |
| 70 | 0.212 | 5 | 5 | 95 |
| 100 | 0.150 | 21 | 26 | 74 |
| 140 | 0.106 | 34 | 60 | 40 |
| 200 | 0.075 | 27 | 87 | 13 |
| 270 | 0.053 | 9 | 96 | 4 |
| 325 | 0.045 | 2 | 98 | 2 |
| PAN | | 2 | 100 | 0 |

TYPICAL PHYSICAL PROPERTIES

GRAIN SHAPE SUBANGULAR
 HARDNESS (Mohs) 7
 MELTING POINT (Degrees F) 3100

MINERAL QUARTZ
 pH 6.5
 SPECIFIC GRAVITY 2.65

TYPICAL CHEMICAL ANALYSIS, %

SiO₂ (Silicon Dioxide)..... 99.7
 Fe₂O₃ (Iron Oxide) 0.023
 Al₂O₃ (Aluminum Oxide) 0.07
 TiO₂ (TITANIUM DIOXIDE) 0.01
 CaO (Calcium Oxide) 0.01

MgO (Magnesium Oxide) <0.01
 Na₂O (Sodium Oxide) 0.01
 K₂O (Potassium Oxide) 0.01
 LOI (Loss On Ignition)..... 0.15

January 27, 2010

DISCLAIMER: The information set forth in this Product Data Sheet represents typical properties of the product described; the information and the typical values are not specifications. U.S. Silica Company makes no representation or warranty concerning the Products, expressed or implied, by this Product Data Sheet.

WARNING: The product contains crystalline silica - quartz, which can cause silicosis (an occupational lung disease) and lung cancer. **For detailed information on the potential health effect of crystalline silica - quartz, see the U.S. Silica Company Material Safety Data Sheet.**