

# OSU-6™

## Mesoporous silica MCM-41 type (hexagonal)

### Properties:

Linear formula	SiO <sub>2</sub>
Form	White powder
Unit cell size	-
Pore size (diameter)	> 8 nm
Pore volume	> 1.7 cm <sup>3</sup> /g
Surface area	> 700 m <sup>2</sup> /g
Channel wall thickness	> 2 nm
Packaging	5; 25 g in clear bottle

### OSU-6 advantage:

- Large pore size, high pore volume
- Thicker channel walls than conventional MCM-41 silica
- Higher thermal stability (up to 950°C)
- Higher hydrothermal stability

### OSU-6 applications:

- Adsorbent
- Catalyst support
- Nanoscale template

### Other XploSafe products:

- **XPell CE** – Indicating pellets for peroxide prevention in organic solvents
- **XPell R** – Reagent powder for neutralization of peroxides in solvents and solutions
- **XploTrain** – Non-detonable, nonhazardous explosives training/testing aids
- **XploSens PS** – Peroxide detection test strips
- **Xtractite** – Sorbent for removal of heavy metals, radionuclides and actinides

