



## NANOGEN<sup>®</sup> AEROGEL FOR HAZARDOUS WASTE CONTAINMENT AND RECLAMATION

The superior properties of high performance Nanogel aerogel make it the obvious choice for oil containment, reclamation and reuse. Nanogel aerogel is a porous amorphous silica that is:

- Hydrophobic / water repellent
- UV stable
- Non-toxic
- Lightweight
- Non combustible
- Inert

### Oil Spill Management

- High capacity
- Selective - will not absorb water
- Self activating
- Fast acting
- Ability to draw oils from free surface
- Extreme buoyancy
- Easy to extract from water
- Facilitates easy energy recovery

### Product Features

Particle size range	0.1 - 4.0mm
Pore diameter	~ 20nm
Porosity	>90%
Particle density	120 - 145
Bulk density	70 - 90kg/m <sup>3</sup>
Surface chemistry	Fully hydrophobic
Surface area	600 - 800m <sup>2</sup> /g
CAS RN	102262-30-6
Oil absorption	800-1000g/100g particle

Nanogel aerogel is reusable, **safe for human and ecological systems**, and is created through a closed loop process with little to no impact on the environment. It holds Silver Cradle to Cradle<sup>SM</sup> certification from McDonough Braungart Design Chemistry. Cabot certifies it has completed the EU REACH pre-registrations required for all Nanogel aerogel products.



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