

# LITHIUM MAGNESIUM TITANATE NANOPARTICLES

**99.9%**  
(Purity)



Stock no:  
**NS6130-12-001892**

## Chemical Identifiers

|                  |   |                                                                 |
|------------------|---|-----------------------------------------------------------------|
| Purity           | : | 99.9%                                                           |
| Chemical name    | : | Li <sub>6</sub> Mg <sub>7</sub> Ti <sub>3</sub> O <sub>16</sub> |
| APS              | : | 80-100nm                                                        |
| Molecular Weight | : | 611.37g/mol                                                     |

Spinel lithium-titanate Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> (LTO) is a promising anode material for magnesium batteries due to its non-toxicity, low-cost, zero-strain characteristics and long-term stability. Nevertheless, the application of LTO in a magnesium full cell has been rarely investigated.

## Applications

Used in the disc and drum brake pads, brake ribbons, clutch surfaces, train brakes, motorcycle friction materials, drilling rig brakes



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