

**NS6130-12-000821**

# MAGNETITE IRON - OXIDE

Nanopowder-Polyimethylsiloxane

## Quick Facts

Product	:	Magnetite Iron Oxide Nanopowder
Stock No	:	NS6130-12-000821
CAS	:	1317-61-9
Molecular Formula	:	Fe <sub>3</sub> O <sub>4</sub>
Form	:	Powder

## Technical Specification

Molecular Weight	APS
231.53 g/mol	100nm

PolyimethylsiloxaneMagnetite iron oxide nanopowder Fe<sub>3</sub>O<sub>4</sub>combined with polyimethylsiloxane (PMS) is a hybrid material with intriguing properties and a range of applications. Combining magnetite nanopowder with polyimethylsiloxane (PMS) creates magnetic composites useful in sensors, actuators, and biomedical applications like drug delivery and MRI contrast agents. It also aids in catalysis and environmental remediation by offering magnetic separation and stability.

### Application:

- Magnetic Composites
- Biomedical Applications
- Catalysis
- Environmental Remediation

# Fe<sub>3</sub>O<sub>4</sub>

**APS 100nm**

\* This image is for graphic purposes only and does not represent the actual product.

