

### NS6130-02-236

# uick Facts

# COBALT ZINC FERRITE

## Nanoparticles

Product Cobalt Zinc Ferrite Nanoparticles

Stock No NS6130-02-236

Color Black

Molecular Formula Zn0.5Co0.5Fe2O4

Form Powder **Purity** 99.9%

#### **Technical** Specification

Bulk Density	APS
~0.40 g/cm³	40nm

Magnetic nanoparticles (MNPs) show tremendous potential in several applications owing to their unique material properties. Physiochemical properties such as the high surface area to volume ratio and feasibility of surface functionalization have made MNPs particularly attractive for biomedical applications. The ability to precisely control the behavior of the material using an externally applied magnetic field has made MNPs a promising nanoagent in biosensors, magnetic separation, targeted drug delivery, MRI and magnetic hyperthermia.



### Application

- **Biosensors**
- Magnetic separation
- Targeted drug delivery
- MRI & magnetic hyperthermia

Zn0.5Co0.5Fe2O4

APS 40nm











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