

Nanomaterials

Alfa Aesar provides a wide range of nanopowders. A sampling of new products is listed below.

Nanopowders are commonly used for the following applications:

- Coatings (enhances abrasion resistance)
- Ceramic
- Catalysts (e.g. ammonia synthesis, dehydrogenation)
- Conductive particles
- Polymers
- Protective application/self cleaning
- Cosmetics
- Telecommunications, data storage and diagnostics due to strong magnetic properties
- Personal care products (e.g. UV attenuation)
- Thin Film Precursors
- Conductive Thin Films
- Printing Inks (adhesion promotion & coloring)

Item	Description	CAS #
45506	Cobalt nanopowder, APS 5-15nm, 99.9% (metals basis)	7440-48-4
45504	Copper nanopowder, APS 20-40nm, 99.9% (metals basis)	7440-50-8
45822	Gold nanopowder, APS 12-15nm, 99.96% (metals basis)	7440-57-5
45507	Iron nanopowder, APS 10-30nm, 99.9% (metals basis)	7439-89-6
45508	Manganese nanopowder, APS 30-50nm, 99.9% (metals basis)	7439-96-5
45794	Molybdenum nanopowder, APS 60-80nm, 99% (metals basis)	7439-98-7
45505	Nickel nanopowder, APS 5-20nm, 99.9% (metals basis)	7440-02-0
45509	Silver nanopowder, APS 20-40nm, 99.9% (metals basis)	7440-22-4

Please contact us or visit www.alfa.com for additional products.