

NiOCT

Nickel Octoate, 8% & 10%

How does a chemical earn the nickname the “Spirited Horse” of catalysts? By exhibiting interesting behavior and wide-ranging applicability in organic synthesis.

How wide-ranging? Nickel octoate is a component in the production of goods as small as the core of a golf ball to as voluminous as the next generation of aviation fuel.



Homogeneous organometallic nickel compounds are utilized as:



- Catalysts in cross-coupling reactions such as Suzuki-Miyaura and Negishi
- Pre-cursor for Ziegler-Natta catalysts used to manufacture high CIS polybutadiene
- Selective oligomerization of alkenes, such as propylene and butylene

Shepherd Chemical is a metal and specialty chemical company with specific expertise in olefin oligomerization catalysts, most commonly nickel carboxylates. We offer standard 8% and 10% nickel octoates and partner with our customers to customize catalysts by varying metal concentrations and/or diluents, to achieve their desired performance. As the processes and demands for sustainable aviation fuels scale and evolve, Shepherd is positioned with manufacturing capacity, the willingness to invest for long-term opportunities and we have the R&D expertise to collaborate on innovation of next generation technology.

Nickel 2-ethylhexanoate, or nickel octoate, is a well-known metal carboxylate. It is the salt of divalent nickel and 2-ethylhexanoic acid. Shepherd manufactures nickel octoate (Ni Oct) as a solution in organic solvent. The concentration of the active metal is typically up to 10% (as nickel metal), with our standard products being 8% and 10%. We can develop customized solutions to meet your specific needs. Our nickel octoate (Ni Oct) solutions are low-viscosity materials that have excellent flowability and are easily transferrable from drum, tote or tank-truck.