











Iron 0 pentacarbonyl

Iron pentacarbonyl, also known as iron carbonyl, is the compound with formula Fe(CO)5. It decomposes by light to Fe2 (CO) 9 and CO. It is insoluble in water however readily soluble in most organic solvents for instance ether, acetone, ethyl acetate and slightly soluble in alcohol. Iron pentacarbonyl is synthesized from iron (and iron compounds) and CO. Iron pentacarbonyl is utilized as an anti-knock agent in petrol. Fe (CO) 5 is employed in the production of carbonyl iron and it is a finely divided form of Fe. It is a material that is employed in magnetic cores of high-frequency coils for radios and televisions. It also applied for the fabrication of the active ingredients of some radar absorbent materials, for example, iron ball paint.

Quick Facts

Product Iron 0 pentacarbonyl NS6130-12-001132 Stock No

CAS 13463-40-6

Purity 99.9% **APS** 40-60µm

Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
Fe(CO)₅	195.90g/mol	1.49 g/cm₃	-20 °C



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