

PRODUCT OVERVIEW

meta-Carborane ($C_2B_{10}H_{14}$) CAS no. 16986-24-6

Applications

Carboranes and related chemicals were evaluated in the 1950's as propellants. Due to cost and other factors, this application did not achieve significant adoption into programs of record at that time.

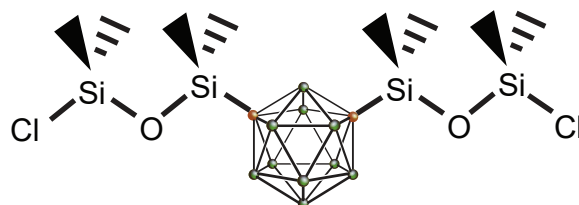
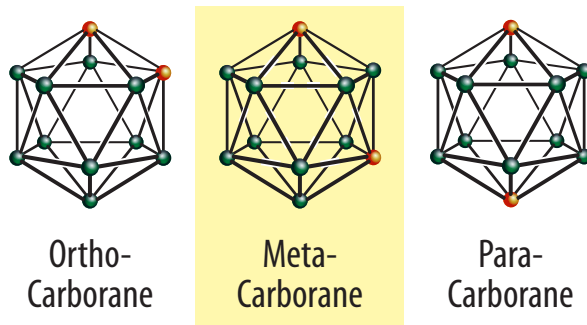
However, since that time, all three isomers of carborane (*ortho*, *meta*, and *para* - indicating various positions of boron in the cage structure) have continued to be of interest for research and some commercial applications.

- Synthesis of monomers for high-temperature resins and polymers
- Ion implantation of boron in the production of p-type electronics semiconductors
- Source of mono-atomic boron for chemical vapor deposition of thin films
- Scaffold for synthesis of compounds for boron neutron capture therapy (BNCT) experimental cancer treatment research

Regulatory

Decaborane is regulated by ITAR. Boron Specialties holds the U.S. State Department license required to manufacture these products. Export licenses are required for sales outside the U.S.

Product availability



Carborane-siloxane monomer
(made using meta-carborane core)

Custom packaging is available from grams to kilograms.

For a copy of the meta-carborane SDS, please contact Boron Specialties.

Boron Specialties, LLC



Carborane is made in the U.S.A. by Boron Specialties, a small, woman-owned chemistry technology and manufacturing company

www.boron.com

855-BORON-05

UNITED STATES and CANADA

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