Uses of Diboranes

Diborane (B_2H_6, a dimer of BH_3) as a chemical substance has a many numbers of applications in various fields,

1. It is used as a catalyst and rubber vulcanizer in the polymerization reaction

2. It is utilized in the manufacture of borophosphosilicate form of glasses

3. In most of the chemical reactions, it is employed as reducing agent

4. It is even used as a doping agent in the manufacturing of semiconductor devices

5. Diborane is used as a high energy fuel for propellant

6. It is used as a reducing agent in organic chemistry

7. It is used in welding torches