AMINE BORANE COMPLEXES

BORANE MORPHOLINE COMPLEX
ALMABOR® BMORPH
CAS# 4856-95-5

BORANE PYRIDINE COMPLEX
ALMABOR® BPYR
CAS# 110-51-0

APPLICATIONS

- Polymer Industry
- Metal Plating
- Dye Industry
- Pharmaceuticals

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AMINE BORANE COMPLEXES

Amine borane complexes are versatile reducing agents which avoid some of the problems and challenges associated with other borane reducing agents.

They are typically more stable borane sources. While they are somewhat less reactive than borane complexes of ethers or sulfides, they do not have the safety and environmental problems associated with borane dimethylsulfide's flammability, volatility and noxious odor.

Amine borane complexes are highly selective reducers of carbonyl groups such as aldehydes and ketones. The reduction of benzaldehyde produces benzyl alcohol. They are inert towards carboxylic acids, esters or other functional groups. The use of catalyst can improve the process dramatically.

The amine borane adducts have a wide range of physical and chemical properties and are used in a variety of applications in the polymer, dye, metal plating and pharmaceutical industries.

2. Burkhardt et al. US 8, 013189 B2

See reverse side for available products.