

**Alfa Aesar**  
A Johnson Matthey Company

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SYNTHESIS

# Boronic Acids Properties and Applications

## 硼酸性质及应用



Alfa Aesar, a Johnson Matthey Company, has announced the publication of a new 36-page technical document, which outlines the chemical properties and highlights the main synthetic uses of boronic acids and related chemicals.

隶属于Johnson Matthey公司的Alfa Aesar发布了全新的36页技术手册，概述了硼酸及相关化学品的化学性质及在合成中的主要用途

Within the field of organoboron chemistry, boronic acids have emerged in a leading role, with applications in synthesis, catalysis, analytical chemistry and biological systems. The discovery of a wealth of new chemistry, in particular the Suzuki-Miyaura cross-coupling reaction, combined with their accessibility and ease of handling, have established boronic acids and boronates among the most frequently encountered of intermediates.

因硼酸在合成，催化，分析化学及生物体系中的应用，使其在有机硼化学领域中，占据着领导位置。它能够开拓新领域的化学价值，其中具有代表性的是Suzuki-Miyaura偶联反应，再与其易获取，易处理的特性相结合，使得硼酸以及硼酸盐成为了最常用的中间体。

Nearly three decades ago, chemists at Lancaster Synthesis, now incorporated as a part of Alfa Aesar, pioneered the commercial production of a range of boronic acids for research and development use. Since then, the astonishing growth of interest in this chemistry has been paralleled by an increase in the diversity of examples and commercial sources available. Holding a leading position in the market, Alfa Aesar provides outstanding synthetic and analytical expertise in boronic acids, esters and related products.

在三十多年前，原Lancaster，现在合并为Alfa Aesar的化学家们前瞻性的将用于研究和生产的硼酸商业化生产。从那时起，对硼酸的兴趣极速提升，并且伴随着更多种类的商业化产品涌现。在市场上占据主导地位的Alfa Aesar提供在硼酸，酯及其它相关产品的最优秀的合成与分析专家。

The new publication discusses the properties and applications of boronic acids and the related chemistry. The book also includes a listing of the Alfa Aesar range of boronic acids, boronic esters, oxazaborolidine reagents, coupling and hydroboration catalysts, phosphine ligands and boronylation reagents.

新书介绍了硼酸及其相关化学品的性质及应用。书中还包含关于Alfa Aesar的硼酸，硼酯，噁唑硼烷试剂，偶合与硼氢化反应催化剂，膦类配体，硼化试剂的信息。