Resumo de Chemistry of Aluminium, Gallium, Indium and Thallium

Boron has all the best tunes. That may well be the first impression of the Group 13 elements. The chemical literature fosters the impression not only in the primary journals, but also in a steady outflow of books focusing more or less closely on boron and its compounds.

The same preoccupation with boron is apparent in the coverage received by the Group 13 elements in the comprehensive and regularly updated volume of the Gmelin Handbook. Yet such an imbalance cannot be explained by any inherent lack of variety, interest or consequence in the 'heavier elements.

Aluminium is the most abundant metal in the earth's crust; in the industrialised world the metal is second only to iron in its usage, and its compounds can justifiably be said to touch our lives daily - to the potential detriment of those and other lives, some would argue.

From being chemical curios, gallium and indium have now gained considerably prominence as sources of compound semiconductors like gallium arsenide and indium antimonide. Nor is there any want of incident in the chemistries of the heavier Group 13 elements.

In their redox, coordination and structural properties, there is to be found music indeed, notable not always for its harmony but invariably for its richness and variety. This book seeks to redress the balance with a definitive, wide-ranging and up-to-date review of the chemistry of the Group 13 metals aluminium, gallium, indium and thallium.

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