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Book review

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GMELIN HANDBOOK OF INORGANIC CHEMISTRY, 8th Edition, FLUORINE-PERFLUOROHALOGENORGANO COMPOUNDS OF THE MAIN GROUP ELEMENTS, Part 7, ALIPHATIC AND AROMATIC NITROGEN COMPOUNDS, A. Haas, volume author, D. Koschel, volume editor, 1979, vi + 215 pages, DM 521, \$286.60. Gmelin Institute for Inorganic Chemistry of the Max Planck Society for the Advancement of Science, Springer-Verlag, Berlin/Heidelberg/New York.

Following Parts 5 and 6, which dealt with perfluorohaloorganonitrogen heterocyclic compounds, the present volume commences the treatment of aliphatic and aromatic perfluorohaloorganic compounds of nitrogen. Literature coverage is through 1975 and, in some instances, beyond.

The volume is divided into two main sections. The first of these treats primary and secondary amines, carboxamides and related compounds, and imines in what appears to be a thorough manner, but entries are limited to compounds having at least one N-H bond. Presumably closely related classes such as tertiary amines, N-haloamines, and N-fluoroalkylimines will be covered in the two additional volumes which are said to be forthcoming. The second section deals with perfluorohaloorganoaminoxy, -iminoxy, and -nitroso compounds. The segment on nitroso compounds is particularly well done.

As usual in this series, details of the preparation and properties of various types of compounds are followed by thoughtfully selected examples of chemical reactions. A Table of Contents in English as well as in German and marginal comments in English help make the material accessible to any reader. An empirical formula index for the series is also promised with volume Part 9. In addition, a supplementary volume bringing all the material in Parts 1-9 up to date is said to be in preparation.

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The present volume maintains the high standards of the Gmelin Handbook series. Fluorine chemists especially will find it a valuable reference source.

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