


A Brief Guide to Polymer Nomenclature

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1) Introduction

The universal adoption of an agreed **nomenclature** has never been more important for the description of chemical structures in publishing and on-line searching. The [International Union of Pure and Applied Chemistry \(IUPAC\)](#)^{1a,b} and [Chemical Abstracts Service \(CAS\)](#)² make similar recommendations. The main points are shown here with hyperlinks to original documents. Further details can be found in the [IUPAC Purple Book](#).

Representations of divalent groups in polymers.⁸

| | Group | | Group |
|-------------|---------------------|--------------------|-------------------------------------------------------------------------------------------|
| oxy | - O - | propylimino | $\begin{array}{c} \text{- N -} \\ \\ \text{CH}_2 \text{ CH}_2 \text{ CH}_3 \end{array}$ |
| sulfanediy1 | - S - | hydrazine-1,2-diy1 | $\begin{array}{c} \text{- NH -} \\ \\ \text{- NH -} \end{array}$ |
| sulfonyl | - SO ₂ - | phthaloyl |  |