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# Chapter 1

## Testing of the Corridx Package

### 1.1 User Defined Commands

We show now the use of these commands in the following sample text. You should look in the original L<sup>A</sup>T<sub>E</sub>X file.

Note that we have in the text also the commands

```
\index{acr @\sectioncrrdx{Index of Acronyms}\swallow|swallow}%  
\index{chem @\sectioncrrdx{Index of Chemicals}\swallow|swallow}%  
\index{gen @\sectioncrrdx{General Index}\swallow|swallow}%
```

Optionally you can use something like `\newcommand{\cis}{\textit{cis}}`. It will also work.

### 1.2 Sample Text

There are various types of novolak resins with different ortho to para ratios of the methylene linkages, high ortho novolak resins (HON), general-purpose novolak resins (GPN) and high para novolak resins (HPN).

The liquid-phase oxidation of cumene to cumene hydroperoxide results in acetone and phenol. This is used for bisphenol A, bisphenol B, resorcinol, cresols, and xylenols. 2-Cyclohexyl-5-methylphenol is used for photoresists. *m*-Methoxyphenol, 2-naphthol, cardanol, and cardol, are other suitable phenols.

Compounds, such as  $\alpha$ -methylstyrene or *N,N*-dimethyl formamide are not used. Also 1,3-propanediol is not used. Further *cis*-3-hexen-1-ol or 2-pyridylcarbinol are not a reasonable solution.

2,5-Norbornadiene is also known as bicyclo[2.2.1]hepta-2,5-diene. Another interesting compound is [2.2.1.0<sup>2,6</sup>.0<sup>3,5</sup>]quadricycloheptane.

We switch now  
`\crrdxformatpage{chem}{|textit}` and  
`\crrdxformatpage{gen}{|textbf}`  
 and check:  
 1,2-butanediol 1,2-butanediol (1,2-BD) polyester

### 1.3 The Sample Text Verbatim

There are various types of novolak resins with different `\ig[`  
`resins]{ortho}` to `para` ratios of the methylene linkages, `\ia{high`  
`ortho novolak resins}{HON}`, `\ia{general-purpose novolak`  
`resins}{GPN}` and `\ia{high para novolak resins}{HPN}`.

The liquid-phase oxidation of cumene to `\ib{cumene`  
`hydroperoxide}{CHP}` results in `\ic{acetone}` and `\ic{phenol}`. This  
 is used for `\ic{bisphenol~A}`, `\ic{bisphenol~B}`, `\ic{resorcinol}`,  
`\ic{cresol}s`, and `\ic{xylenol}s`. `\ic{2-Cyclohexyl-5-methylphenol}`  
 is used for `\ig[!positive]{photoresist}s`.  
`\ic{\textit{m}-Methoxyphenol}`, `\ic{2-naphthol}`, `\ic{cardanol}`, and  
`\ic{cardol}`, are other suitable `\ig[!other]{phenols}`.

Compounds, such as `\ic{\alpha-methylstyrene}` or  
`\ib{\textit{N},\textit{N}-dimethyl formamide}{DMF}` are not used.  
 Also `\ib{1,3-propanediol}{1,3-PD}` is not used. Further  
`\ib{\cis-3-hexen-1-ol}{3-HXL}` or `\ib{2-pyridylcarbinol}{PC}` are  
 not a reasonable solution.

`\ic{2,5-Norbornadiene}` is also known as  
`\ic{bicyclo[2.2.1]hepta-2,5-diene}`. Another interesting compound  
 is `\ic{[\textup{2.2.1.0}^{2,6}.0^{3,5}]}quadricycloheptane}`.

We switch now `\newline \verb"\crrdxformatpage{chem}{|textit}"` and  
`\newline\verb"\crrdxformatpage{gen}{|textbf}"`

`\crrdxformatpage{chem}{|textit}%`  
`\crrdxformatpage{gen}{|textbf}%`

and check:

`\ic{1,2-butanediol}`  
`\ia{1,2-butanediol}{1,2-BD}`  
`\ig[!unsaturated]{polyester}`

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